001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: U-015630-ST	6. SURFACE: State
7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
8. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT	
9. WELL NAME and NUMBER: NBU 438	
10. FIELD AND POOL, OR WILDCAT: Natural Buttes	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E	
12. COUNTY: Uintah	13. STATE: UTAH

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: P.O. Box 1148 CITY Vernal STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7023

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2133' FNL & 986' FWL 4427864Y 39.99393 622761X -109.56203
AT PROPOSED PRODUCING ZONE:

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 13.9 Miles Northeast of Ouray, UT

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
986'	285.20	40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
Refer to Topo C	8,600	400JU0705
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
4954.6' GL		10 Days

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
11-12 1/4	9 5/8 or 8 5/8	250	Refer to 10 pt program
7 7/8	4 1/2 or 5 1/2	8,600	Refer to 10 pt program

CONFIDENTIAL

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

RECEIVED
NOV 22 2002
DIVISION OF OIL, GAS AND MINING

NAME (PLEASE PRINT) Cheryl Cameron TITLE Operations

SIGNATURE Cheryl Cameron DATE 11/19/2002

(This space for State use only)

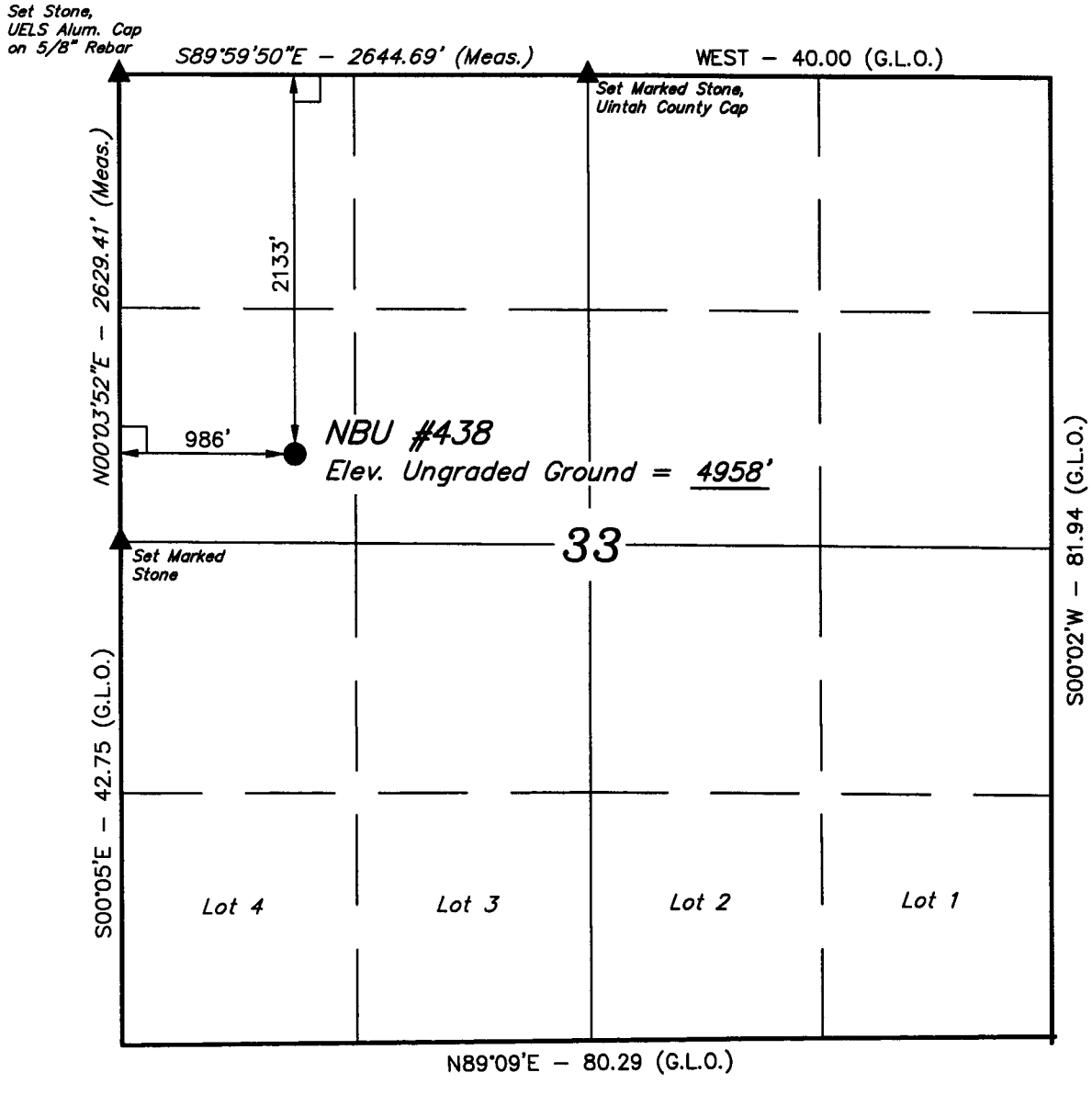
API NUMBER ASSIGNED: 43-047-34787

APPROVAL:

Approved by the Utah Division of Oil, Gas and Mining
Date: 01-29-03
By:

(11/2001) (See Instructions on Reverse Side)

T9S, R21E, S.L.B.&M.

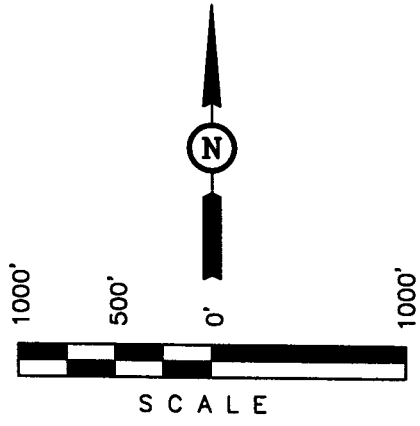


EL PASO PRODUCTION OIL & GAS COMPANY

Well location, NBU #438, located as shown in the SW 1/4 NW 1/4 of Section 33, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°59'38"
LONGITUDE = 109°33'45"

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 1-4-02	DATE DRAWN: 1-9-02
PARTY G.S. K.S. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE EL PASO PRODUCTION OIL & GAS COMPANY	

Form 9

002

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number: U-015630-ST
7. Indian Allottee or Tribe Name:
8. Unit or Communitization Agreement:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well: [ ] Oil Well [x] Gas Well [ ] Other (specify)
9. Well Name and Number: NBU 438
2. Name of Operator: El Paso Production Oil & Gas Company
10. API Well Number:
3. Address of Operator: P.O. Box 1148 Vernal, UT 84078
4. Telephone Number: (435) 781-7023
11. Field and Pool, or Wildcat: Natural Buttes
5. Location of Well
Footage : 2133' FNL & 986' FWL
QQ, Sec, T., R., M : SWNW SEC. 33, T9S, R21E
County : Uintah
State : UT

12. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [x] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start: _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion: _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

OPERATOR REQUESTS TO AMEND THE CEMENT & CASING PROGRAM ORIGINALLY SUBMITTED IN THE APD (APPLICATION FOR PERMIT TO DRILL), AND PLACE THE SUBJECT WELL ON CONFIDENTIAL STATUS.

REFER TO THE ATTACHED DRILLING PROGRAM.

RECEIVED
JAN 21 2003
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature: Cheryl Cameron Title: Operations Date: 01/16/03

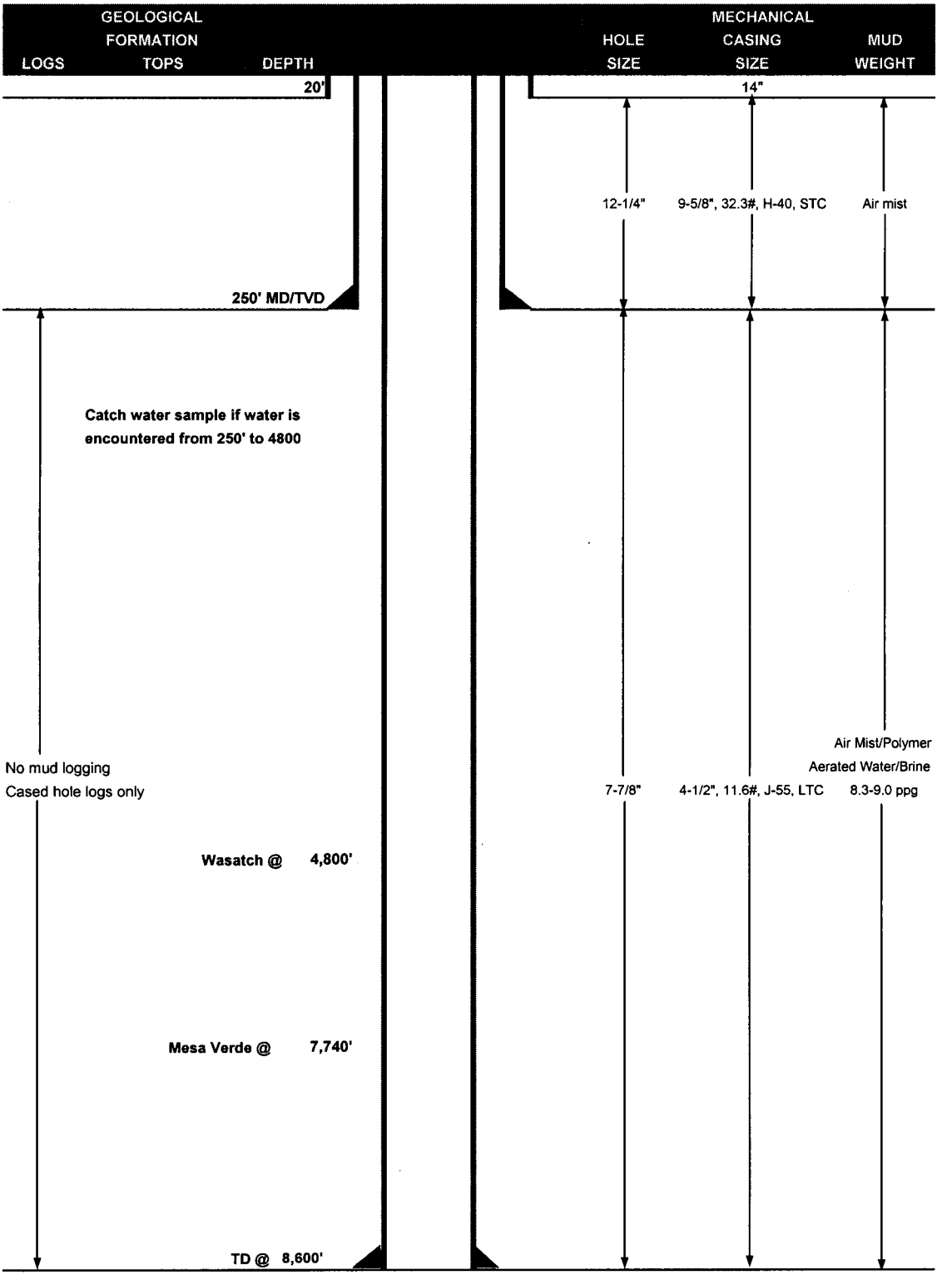
(State Use Only)

(8/90) See Instructions on Reverse Side

elpaso Production

DRILLING PROGRAM FOR APD

COMPANY NAME	El Paso Production Company			DATE	January 16, 2003
WELL NAME	**NBU 438**			TD	8,600' MD/TVD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	4,955' KB
SURFACE LOCATION	2133' FNL, 986' FWL, SWNW, SEC. 33, T9S, R21E			BHL	Straight Hole
OBJECTIVE ZONE(S)	Wasatch, Mesa Verde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM, Tri-County Health Dept.				



elpaso Production

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-20'						
						2270	1370	254000
SURFACE	9-5/8"	0-250'	32.30	H-40	STC	16.19	11.71	4.37
						5350	4960	162000
PRODUCTION	4-1/2"	0-TD	11.60	J-55	LTC	1.76	1.23	1.08

1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)

2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)

3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)

(Burst Assumptions: FG @ 9-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE		250	Class G + 2% CaCl2 + 0.25 pps celloflake	140	35%	15.80	1.16
PRODUCTION	LEAD	4,300'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	460	60%	11.00	3.38
	TAIL	4,300'	50/50 Poz/G + 10% salt + 2% gel	1200	60%	14.30	1.31

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys on bit trips. Maximum allowable hole angle is 5 degrees.

Prepared by: C. Cameron

DRILLING ENGINEER: _____ **DATE:** _____

Dan Lindsey

NBU 438
SWNW Sec. 33, T9S, R21E
Uintah County, UT
U-015630-ST

EL PASO PRODUCTION COMPANY

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
KB	4965'
Wasatch	4800'
Mesaverde	7740'
Total Depth	8600'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Wasatch	4800'
Gas	Mesaverde	7740'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 3,000 psi.

4. **Proposed Casing Program:** See Sundry dated 1/16/03

Purpose	Depth	Hole Size	Casing Size	Wt/ft	Grade	Type
Surface	0-250'	11" or 12 ¼"	8 5/8" or 9 5/8"	24#, 32.3#, 36#, or 40#	K-55, H-40, or J-55	ST&C
Production	0-TD	7 7/8"	4 ½" or 5 ½"	11.6#	N-80	LT&C

The proposed casing and cementing program shall be conducted as approved to to protect and/or isolate all usable water zones potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation that will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics.

All casing, except conductor casing, shall be new or reconditioned and tested. Used casing shall meet or exceed API standards for new casing.

The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing. If drive pipe is used, it may be left in place if its total length is less than twenty feet below the surface. If the total length of the drive pipe is equal to or greater than twenty feet, it will be pulled prior to cementing surface casing, or it will be cemented in place.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

Maximum anticipated bottom hole pressure calculated @ 8600 TD approximately equals 3440 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1548 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot.

All casing strings below the conductor shall be pressure tested to 0.22 psi/foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

Casing design is subject to revision based on geologic conditions encountered.

Proposed Cementing Program: See Sundry dated 6/16/03

Surface	Fill	Type & Amount
0-250' excess)	250'	A minimum of 85 sx Class "G" + 2% $CaCl_2$, 15.6 ppg, 1.19 cf/sx (Cement will be circulated to surface, about 25%

Production	Type & Amount
200' above the top-most resource interval	Lead: Extended, Lite, or Hi-Fill cement + additives, 11 or 12 ppg, 2.69 cf/sx
TD-500' above productive internal	Tail: Extended Class "G" or 50:50 Poz + additives, 14 ppg, or RFC, 14.0 – 14.5 ppg, 1.57 cf/sx.

For production casing, actual cement volumes will be determined from the calculated hole volume + 60% excess, minimum. Cement volumes will include an amount sufficient to circulate to surface, if possible. Operator will continue to attempt to circulate cement to surface, but at a minimum, circulation will be 200' above the top of the Green River Formation, or as directed by the Authorized Officer (AO) or Acting, or as specified in the Conditions of Approval (COA) in the Application for Permit to Drill (APD).

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the casing shoe prior to drilling out.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The Division of Oil, Gas, and Mining (DOGM) Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

After cementing the surface pipe and/or any intermediate strings, but before commencing any test, The casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the Driller's Log.

Auxiliary Well Control Equipment to Be Used:

Kelly Cock
A sub with a full opening (TIW) valve having threads compatible with drill string tubulars.

5. **Drilling Fluids Program:**

WASATCH

Interval	Type	Mud Weight
0-TD	Air/Air Mist/Aerated Water/Water (as hole conditions Warrant) Displace Hole to 10 ppg brine mud, prior to logging.	8.4 ppg or less

MESAVERDE

Interval	Type	Mud Weight
0-TD	Air/Air Mist/Aerated Water/Water (as hole conditions warrant) Depending on hole conditions, the hole will be displaced to either 10 ppg brine or drilling mud prior to logging. If hole conditions warrant, a mud system will be used.	8.4 ppg or less

No chromate additives will be used in the mud system prior to approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well.

6. **Evaluation Program:**

The Evaluation Program may change at the discretion of the well site geologist with approval by The Authorized Officer.

Cased Hole Logs Only

GR/Dipole Sonic/Neutron:	TD-500' above the Wasatch Formation (to surface at times)
Drill Stem Tests:	As deemed necessary
Cores:	As deemed necessary

When cement has not been circulated to surface, the cement top will be determined by Either a temperature survey or cement bond log. Should a temperature survey fail to Locate the cement top, a cement bond log shall be run.

Open Hole Logs

PEX:	From TD - Surface

7. **Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth.

8. **Variances:**

Operator requests approval to perform drilling operations without an automatic igniter because drilling will be performed with an air/mist medium.

9. **Other Information:**

All loading lines will be placed inside the berm surrounding the tank battery.

10. **Anticipated Starting Dates & Notification of Operations:**

Anticipated commencement date shall be upon approval of the proposed APD.

Drilling Days: Approximately 10 days

Completion Days: Approximately 7 days

NBU 438
SWNW Sec. 33, T9S, R21E
Uintah County, UT
U-015630-ST

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to the attached directions to the proposed location site.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, ***unless modified at the on-site inspection***. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon (2.5Y 6/2).

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the proposed pipeline placement.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. ***The need for a reserve pit liner will be determined at the on-site inspection.***

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S,R19E.

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). ***This section is subject to modification as a result of the on-site inspection.***

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile (s), and surface material stockpile(s).

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of

irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

State of Utah
SITLA
675 East 500 South
Salt Lake City, UT 84102-2818

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been conducted. A copy of this report is attached.

This proposed location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certifcation:**

Cheryl Cameron
Regulatory Analyst
El Paso Production Company
P.O. Box 1148
Vernal, UT 84078
(435) 781-7023

Scott Palmer
Drilling Manager
El Paso Production Company
9 Greenway Plaza
Houston, TX 77046
(832) 676-3391

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

El Paso Production Company is considered to be the operator of the subject well. El Paso Production Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by El Paso Production Company, State Bond No. 400JU0705.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Cheryl Cameron

Cheryl Cameron

11/18/02
Date

ORIGINAL

CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S SEVEN WELL LOCATIONS IN NATURAL BUTTES, UINTAH COUNTY, UTAH

Keith R. Montgomery

Prepared For:

Bureau of Land Management
(Vernal Field Office)
and
State of Utah
School and Institutional Trust Land Administration

Prepared Under Contract With:

El Paso Production Oil and Gas Company
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 02-42

March 26, 2002

United States Department of Interior (FLPMA)
Permit No. 01-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-02-MQ-0124b,s

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in March 2002 for El Paso Production Oil and Gas Company's seven proposed well locations. The proposed well locations with access and pipeline corridors are situated in the Natural Buttes area, southeast of Ouray, Utah (Figures 1, 2, and 3). The survey was implemented at the request of Mr. Carroll Estes, El Paso Production Oil and Gas Company, Vernal, Utah. The project is situated on land administered by the Bureau of Land Management (BLM), Vernal Field Office, and by the State of Utah, School and Institutional Trust Land Administration (SITLA).

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on March 20, 21, and 22, 2002 by Keith R. Montgomery, (Principal Investigator). The project was initiated under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-02-MQ-0124b,s issued to MOAC.

A file search was performed by Keith Montgomery at the BLM Vernal Field Office on March 5, 2002. This consultation indicated that several archaeological inventories have been completed in or near the project area. In 1979, Archaeological-Environmental Research Corporation (AERC) conducted a survey of sample areas within the Natural Buttes oil and gas field for the BLM (Hauck, et.al. 1979). The survey resulted in the discovery of 20 sites, 18 of which were prehistoric, and 10 isolated finds of artifacts. One of the sites (42UN660) occurs near proposed well location NBU #436, and consists of a prehistoric temporary camp with a variety of tools and some artifacts indicating a small historic component. None of the sites found by AERC are located immediately within the project areas. In 1981, Brigham Young University completed the Magic Circle Cottonwood Wash inventory (Thompson 1981). None of the sites documented in this study occur within the current project area. In 1981, BYU also completed an inventory for the TOSCO Corporation shale oil recovery plant and facilities (Nielson 1981). None of the sites documented are in or near the project areas. In 1991, Metcalf Archaeological Consultants (MAC) inventoried eighteen Natural Butte well locations for Coastal Oil and Gas (O'Brian, et. al. 1991). None of the cultural resources inventoried occur near or within the current project areas. Metcalf Archaeological Consultants surveyed a number of well locations for Coastal Oil & Gas Corporation in 1997 (Spath 1997), none of which are in the current project areas. In 2001 and 2002, Montgomery Archaeological Consultants inventoried

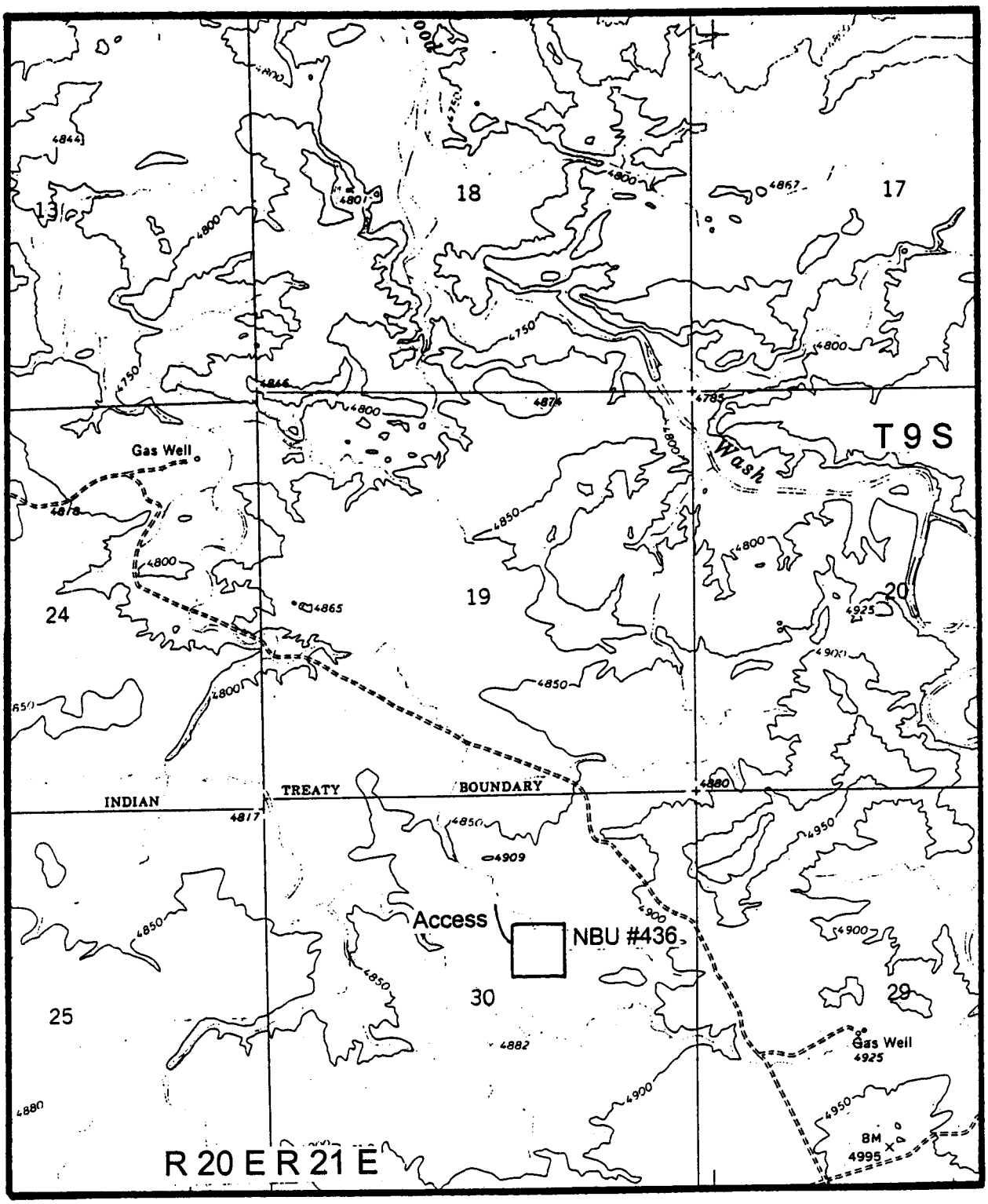


Figure 1. Inventory Area of El Paso Production Oil and Gas Company's NBU #436 Well Location. USGS 7.5' Ouray SE, Utah 1964. Scale 1:24000.

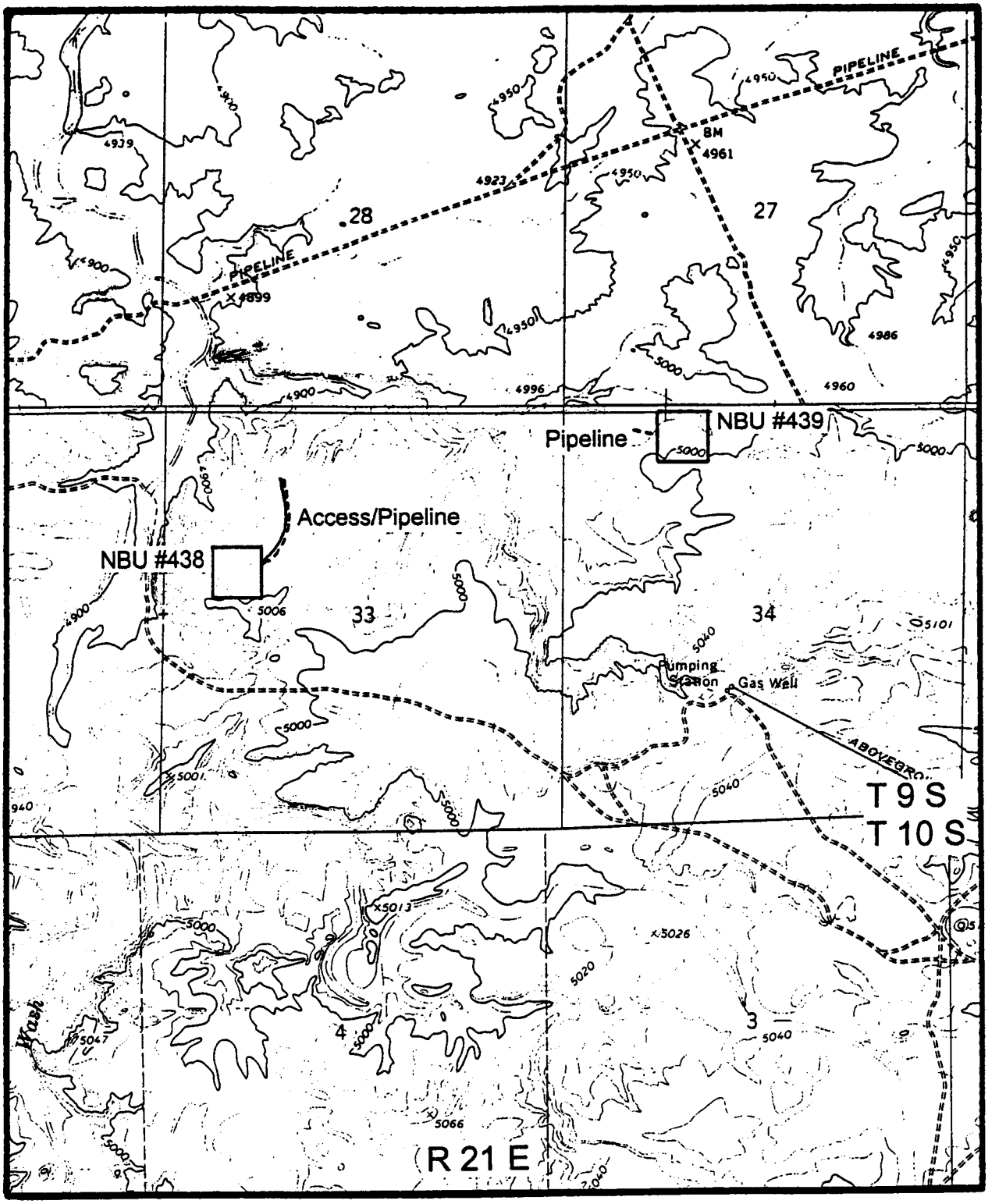


Figure 2. Inventory Area of El Paso Production Oil and Gas Company's NBU #438 and NBU #439 Well Locations. USGS 7.5' Ouray SE, Utah 1964 and Big Pack Mtn. NE, Utah 1987. Scale 1:24000.

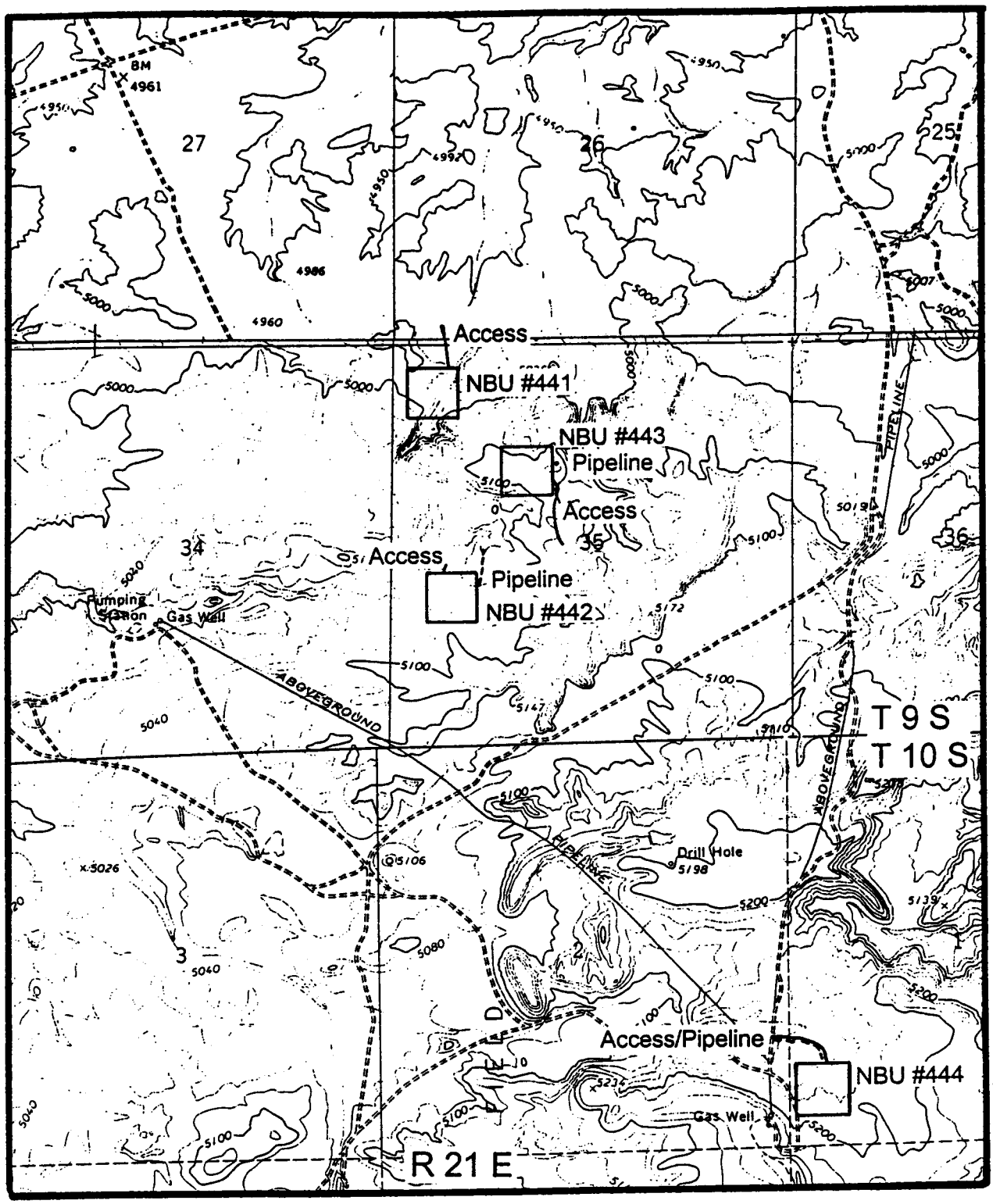


Figure 3. Inventory Area of El Paso Production Oil and Gas Company's NBU #441, NBU #442, NBU #443 and NBU #444 Well Locations. USGS 7.5' Ouray SE, Utah 1964 and Big Pack Mtn. NE, Utah 1987. Scale 1:24000.

35 El Paso Production's well locations in the Natural Buttes area (Montgomery 2001a, 2001b, 2001c, 2001d, 2002; Montgomery and Ball 2001). No archaeological sites have been documented in the immediate project areas in any of these previous inventories.

DESCRIPTION OF PROJECT AREA

The seven proposed El Paso Production well locations, access and pipeline corridors are situated in the Natural Buttes Field, southeast of Ouray, Utah (Table 1). The legal description is T 9S, R 21E, Sections 26, 30, 33, 34 and 35 and T 10S, R 21E, Sections 1and 2 (USGS 7.5' Ouray SE Quadrangle; USGS 7.5' Big Pack Mtn. NE Quadrangle).

Table 1. El Paso Production's Natural Butte Seven Well Locations

Well Location Designation	Legal Location	Location at Surface	Access/Pipeline	Cultural Resources
NBU #436	T 9S, R 21E, Sec. 30	2080' FNL 2125' FEL	Access 600'	None
NBU #438	T 9S, R 21E, Sec. 33	2133' FNL 986' FWL	Access/Pipeline1200'	None
NBU #439	T 9S, R 21E, Sec. 34	345' FNL 1687' FWL	Pipeline 300'	None
NBU #441	T 9S, R 21E, Sec. 26 and 35	612' FNL 506" FWL	Access 600'	None
NBU #442	T 9S, R 21E, Sec. 35	1964' FSL 815' FWL	Access 100' Pipeline 500'	None
NBU #443	T 9S, R 21E, Sec. 35	1679' FNL 1741" FWL	Access 900' Pipeline 50'	None
NBU #444	T 10S, R 21E, Sec. 1 and 2	704' FSL 460' FWL	Access/Pipeline 900'	None

Environment

The study area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. The geology is comprised of Tertiary age deposits which include Paleocene age deposits, and Eocene age fluvial and lacustrine sedimentary rocks. The Uinta Formation, which is predominate in the project area, occurs as eroded outcrops formed by fluvial deposited, stream laid interbedded sandstone and mudstone, and is known for its prolific paleontological localities. Specifically, the project area occurs on the east and west sides

of Cottonwood Wash on the valley floors which are interspersed by flat topped buttes and narrow steep-sided ridges. The area is heavily dissected and carved by ephemeral drainages. The surface geology consists of hard pan residual soil armored with shale and sandstone pebbles as well as some sand shadows. The elevation averages 5200 feet a.s.l. The project occurs within the Upper Sonoran Desert Shrub Association which includes shadscale, greasewood, mat saltbrush, snakeweed, rabbitbrush, prickly pear cactus, Indian ricegrass and non-native plants and grasses. Modern disturbances include roads, and oil/gas development.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At each of the proposed well locations, a ten acre area centered on the center stake of the location was surveyed by the archaeologists walking parallel transects spaced no more than 30 feet apart. The access and pipeline corridors were 100 feet wide, surveyed by walking parallel transects along the staked centerline, spaced no more than 10 m (30 ft) apart. A wider corridor (150 foot) was inspected when access/pipeline routes shared a corridor. Ground visibility was considered to be good. A total of 84.23 acres was inventoried, 24.48 on BLM (Vernal Field Office) administered land and 59.75 on State of Utah SITLA land.

RESULTS AND RECOMMENDATIONS

The inventory of the seven proposed El Paso Production Oil and Gas Company well locations resulted in the location of no archaeological resources. Based on the findings, a determination of "no historic properties affected" is recommended for this undertaking pursuant to Section 106, CFR 800.

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Montgomery, K.R.
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2001b Cultural Resource Inventory of El Paso Production's Natural Buttes 10 Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0532b. On file at the BLM Vernal Field Office.

2001c Cultural Resource Inventory of El Paso Production's Natural Buttes 11 Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0738b. On file at the BLM Vernal Field Office.

2001d Cultural Resource Inventory of El Paso Production's Natural Buttes 8 Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0723b. On file at the BLM Vernal Field Office.

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Nielson, A. S.
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Spath, C.
1997 Coastal Oil and Gas Corporation's Proposed CIGE #s 203, 210, 212, 220 and NBU #272 Well Pads, Pipelines and Access, Section 34, T9S, R21E, Sections 31 and 34, T9S, R22E, Section 16, T10S, R21E, and Section 11, T10S, R22E, Uintah County, Utah. Metcalf Archaeological Consultants, Eagle, CO. Project No. U-97-MM-0120s. On file at the BLM Vernal Field Office.

Stokes, W.L.
1986 *Geology of Utah*. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

Thompson, C.
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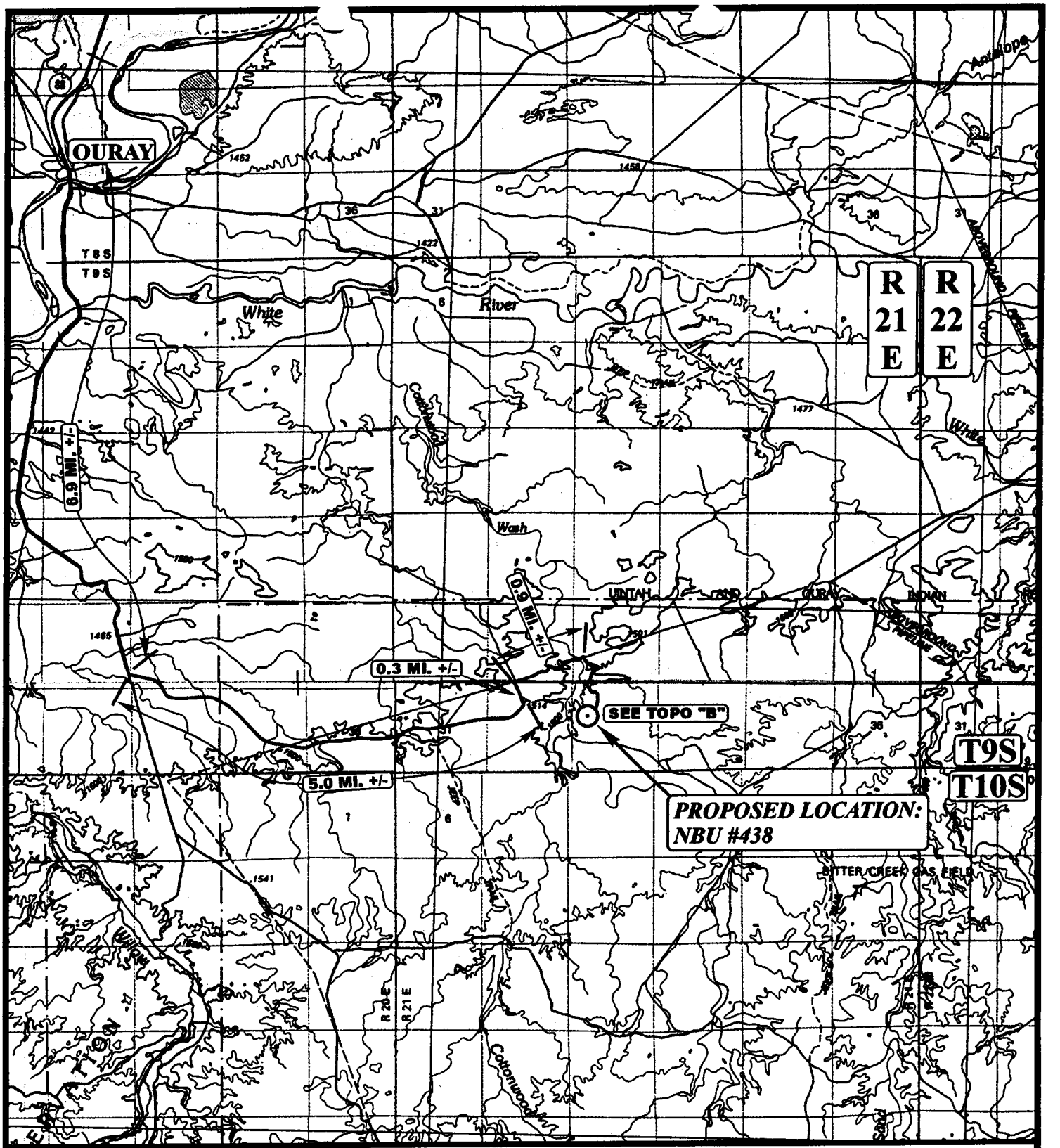
EL PASO PRODUCTION OIL & GAS COMPANY

NBU #438

SECTION 33, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NBU #396 TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 45.1 MILES.



LEGEND:

⊙ PROPOSED LOCATION

N

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #438

SECTION 33, T9S, R21E, S.L.B.&M.

2133' FNL 986' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	1 MONTH	9 DAY	02 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: P.M.	REVISED: 00-00-00		

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #438

LOCATED IN UINTAH COUNTY, UTAH
SECTION 33, T9S, R21E, S.L.B.&M.

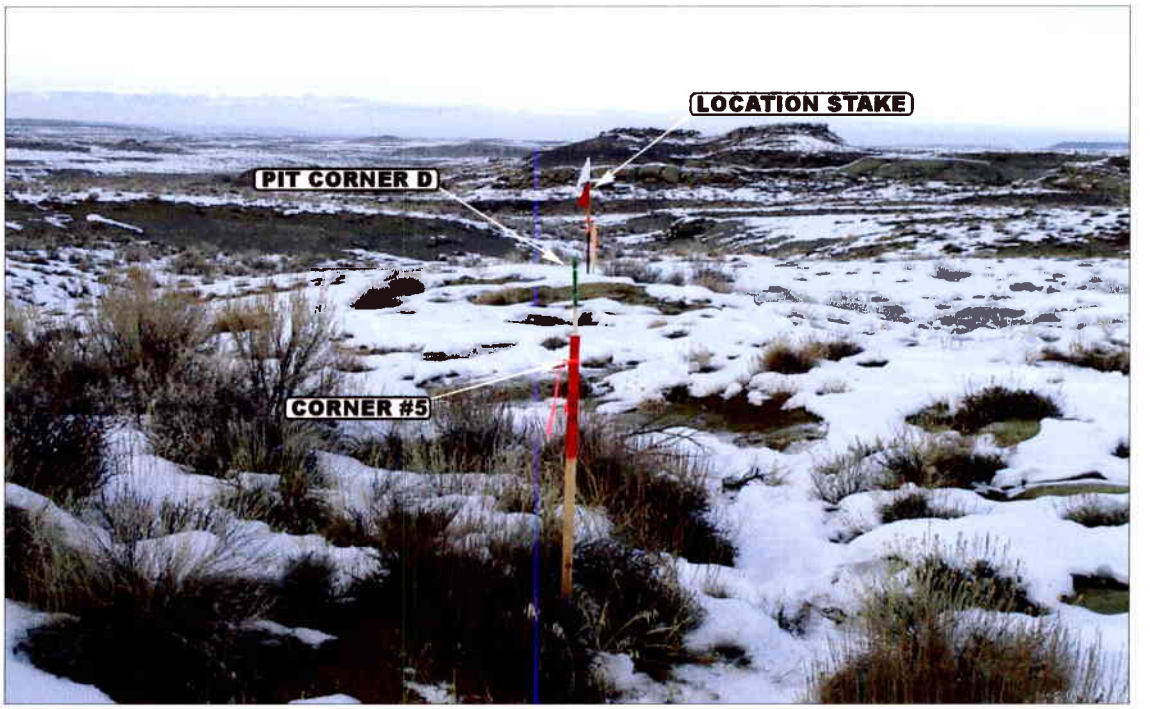


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHERLY**

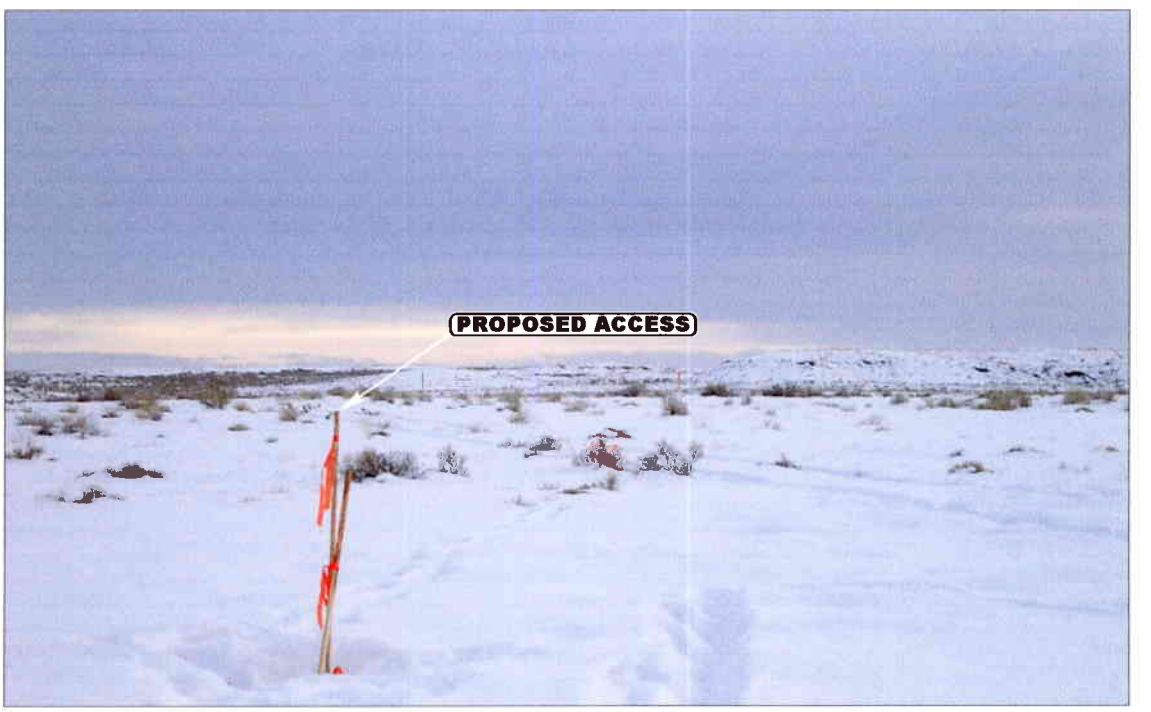
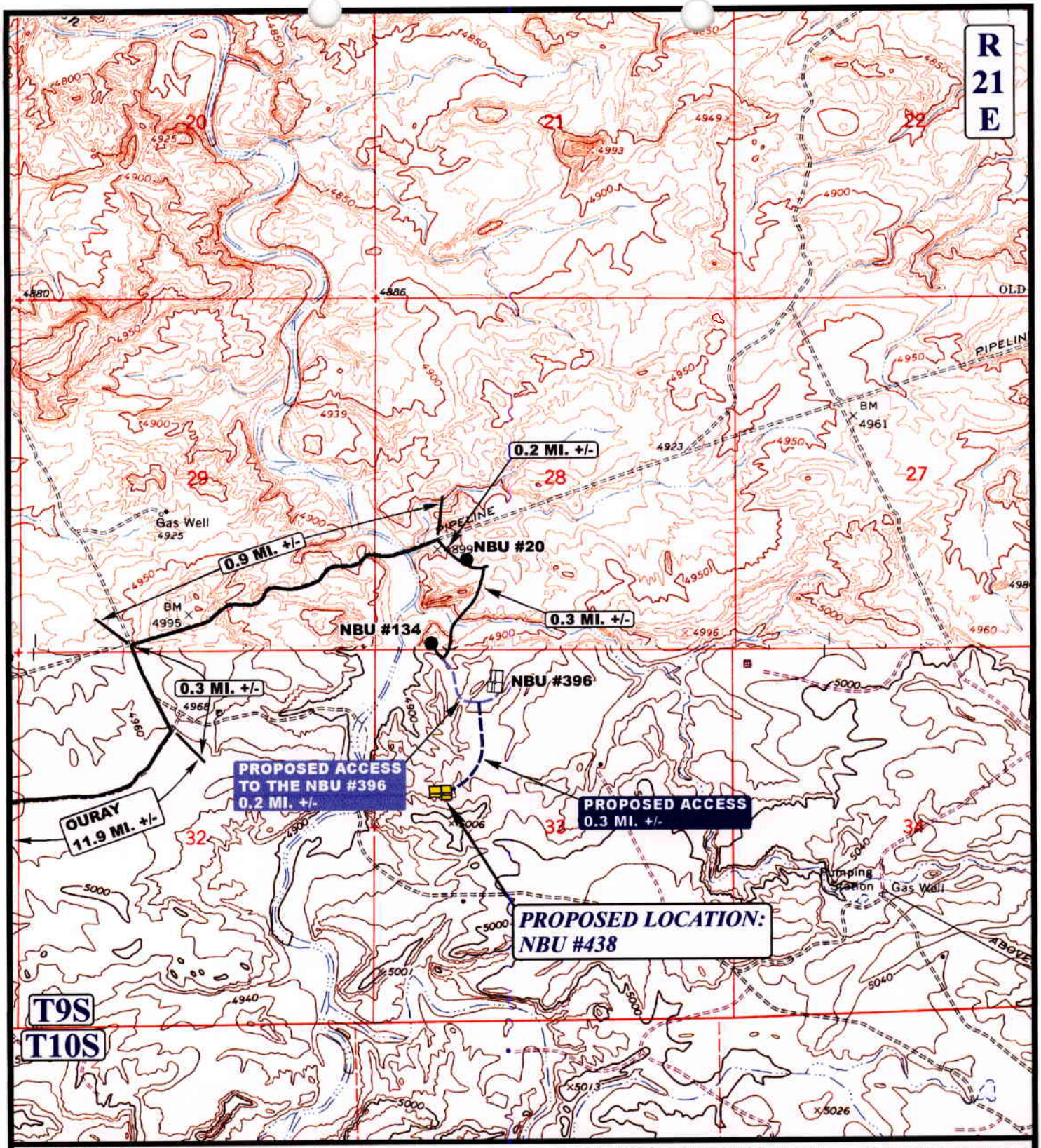


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: SOUTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	1 MONTH	9 DAY	02 YEAR	PHOTO
TAKEN BY: G.S.	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #438

SECTION 33, T9S, R21E, S.L.B.&M.

2133' FNL 986' FWL

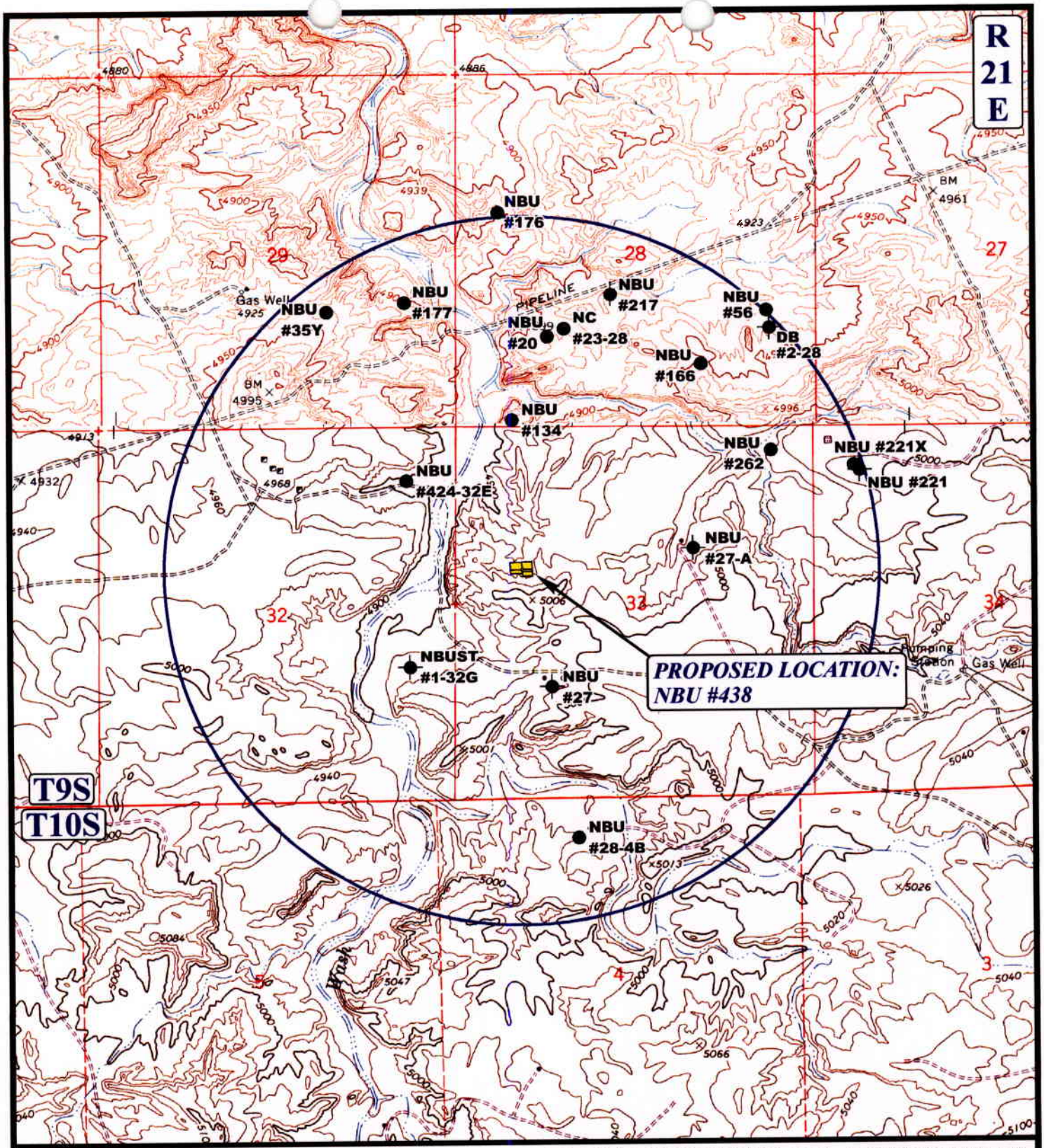
UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	1 MONTH	9 DAY	02 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

EL PASO PRODUCTION OIL & GAS COMPANY

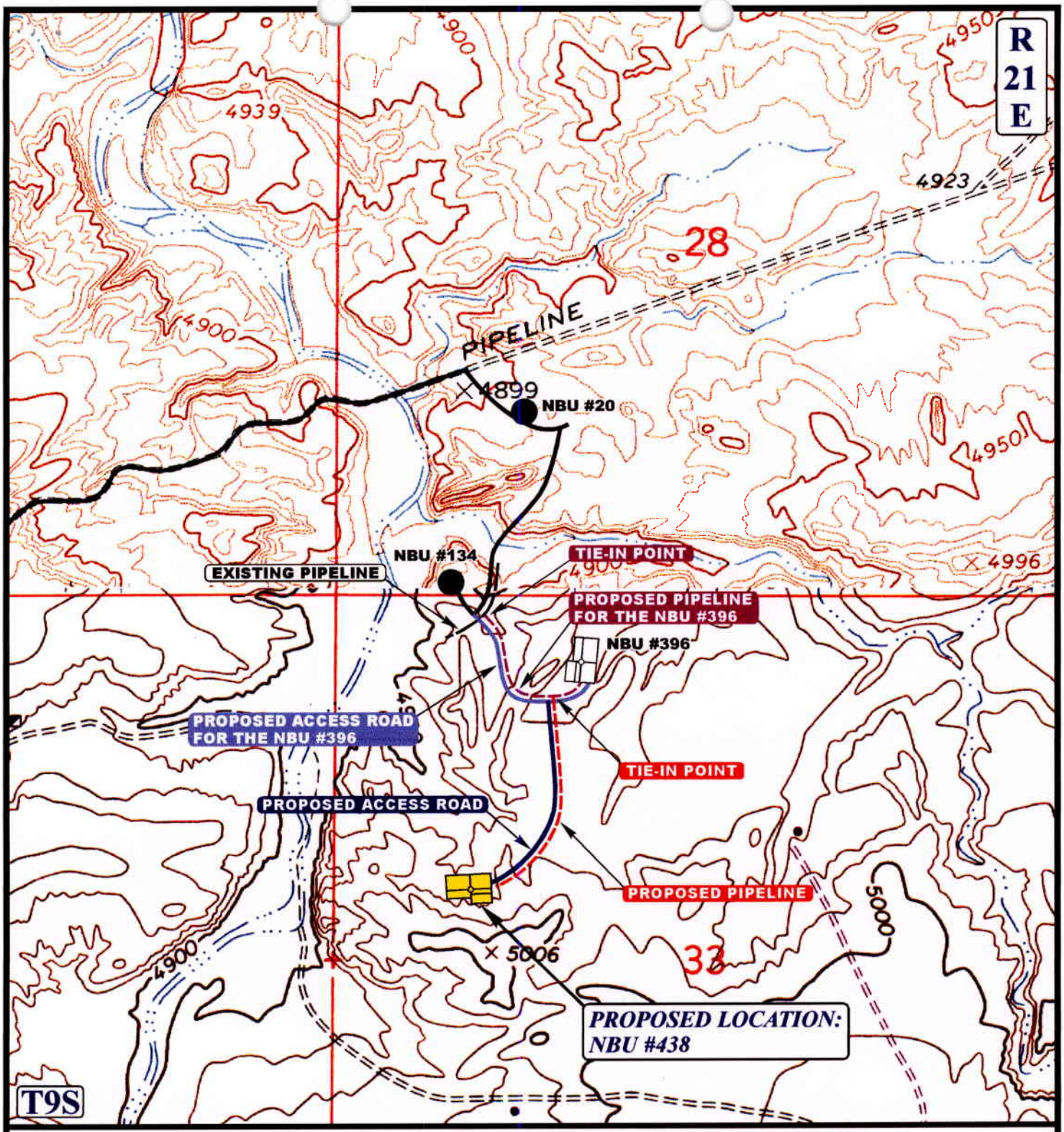
NBU #438

SECTION 33, T9S, R21E, S.L.B.&M.

2133' FNL 986' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	1 MONTH	9 DAY	02 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,600' +/-

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

N

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #438

SECTION 33, T9S, R21E, S.L.B.&M.

2133' FNL 986' FWL

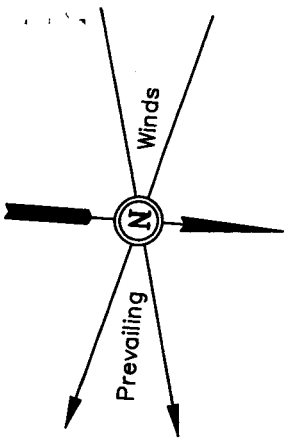
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	1 MONTH	9 DAY	02 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: P.M.	REVISED: 00-00-00		

EL PASO PRODUCTION OIL & GAS COMPANY

LOCATION LAYOUT FOR

NBU #438
SECTION 33, T9S, R21E, S.L.B.&M.
2133' FNL 986' FWL



SCALE: 1" = 50'
DATE: 1-10-02
Drawn By: P.M.

C-4.2'
El. 58.8'

F-5.6'
El. 49.0'

Topsoil Stockpile

Sta. 3+25

60'

GRADE
El. 54.6'

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

175'

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Pit Topsoil

PIPE TUBS

CATWALK

PIPE RACKS

Reserve Pit Backfill & Spoils Stockpile

Flare Pit

C-5.3'
El. 59.9'

C-3.9'
El. 58.5'

C-3.7'
El. 58.3'

Blooie Line

RIG

25'

35'

110'

Sta. 1+50

El. 62.9'
C-18.3'
(btm. pit)

70'

RESERVE PITS (10' Deep)

Pit Capacity With 2' of Freeboard is ±9,110 Bbls.

MUD TANKS

DOG HOUSE

TOILET

F-5.5'
El. 49.1'

TRAILER

LIGHT PLANT

BOILER

WATER TANK

MUD TANKS

PUMP HOUSE

15' WIDE BENCH

140'

SLOPE 1 1/2 : 1

TRASH

150'

C-1.6'
El. 56.2'

Round Corners as Needed

Sta. 0+25

PROPANE STORAGE

35'

10'

Sta. 0+00

El. 62.1'
C-17.5'
(btm. pit)

15' WIDE BENCH

C-3.7'
El. 58.3'

C-5.2'
El. 59.8'

F-4.2'
El. 50.4'

Proposed Access Road

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4958.3'
FINISHED GRADE ELEV. AT LOC. STAKE = 4954.6'

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

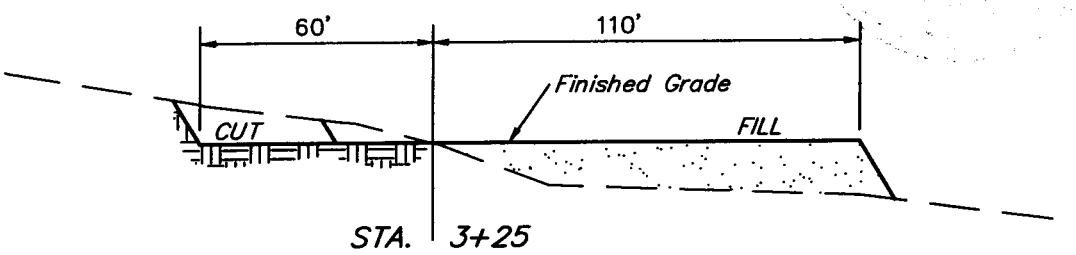
EL PASO PRODUCTION OIL & GAS COMPANY

TYPICAL CROSS SECTIONS FOR

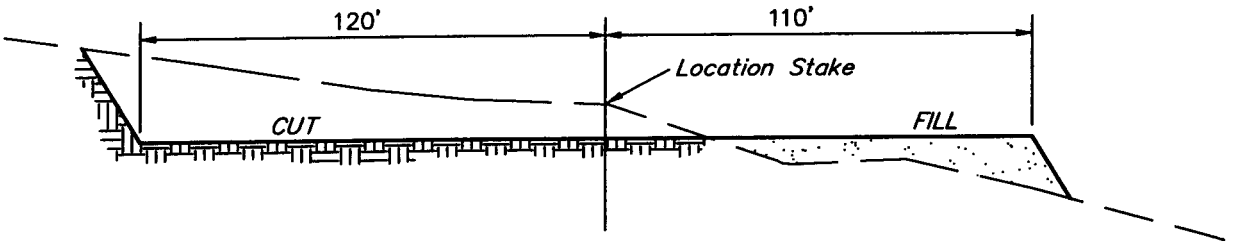
NBU #438
SECTION 33, T9S, R21E, S.L.B.&M.
2133' FNL 986' FWL

1" = 20'
X-Section Scale
1" = 50'

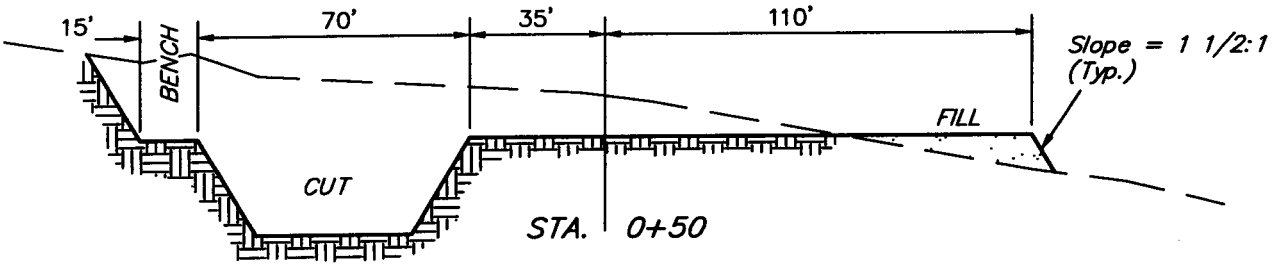
DATE: 1-10-02
Drawn By: P.M.



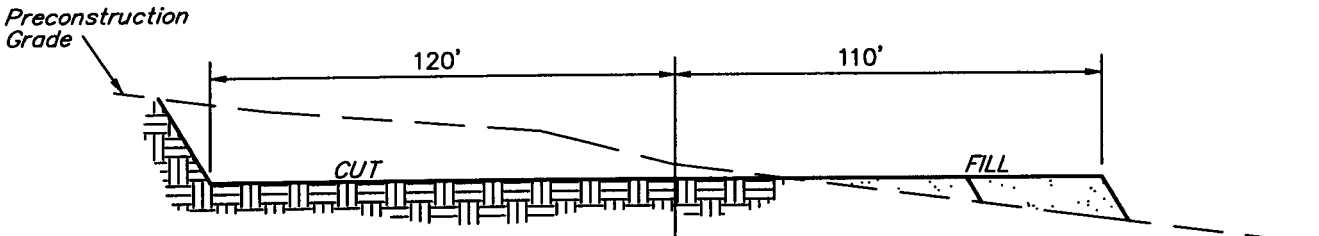
STA. 3+25



STA. 1+50



STA. 0+50



STA. 0+00

FIGURE #2

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,210 Cu. Yds.
Remaining Location = 7,180 Cu. Yds.

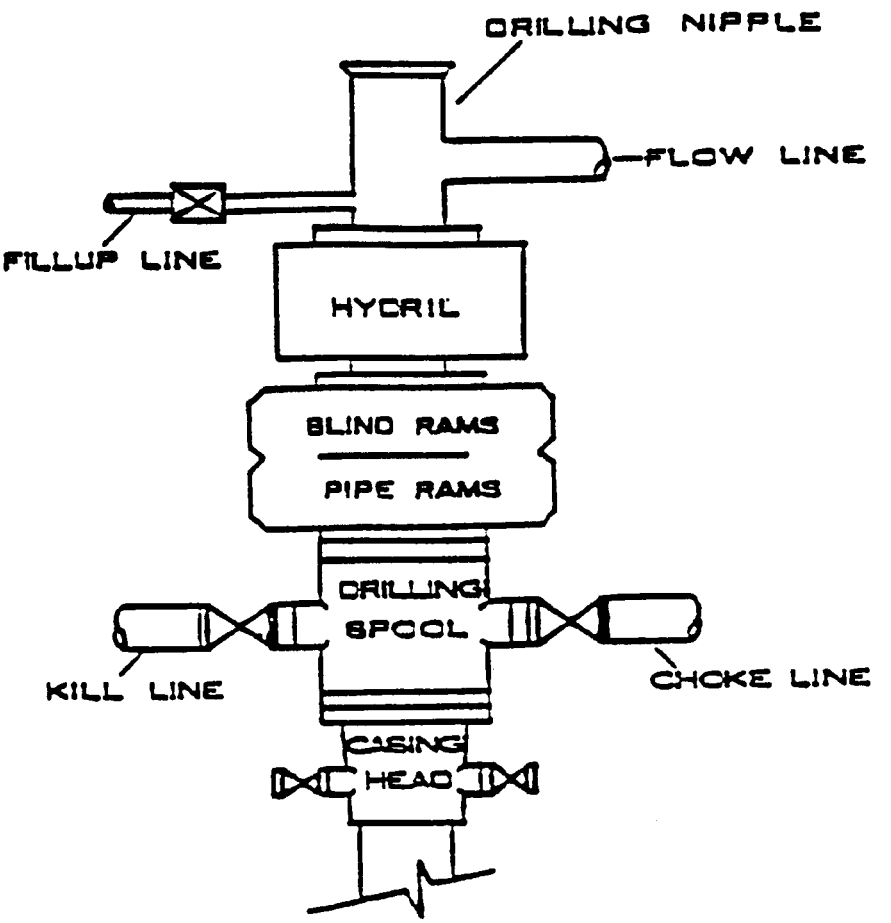
TOTAL CUT = 8,390 CU.YDS.
FILL = 5,600 CU.YDS.

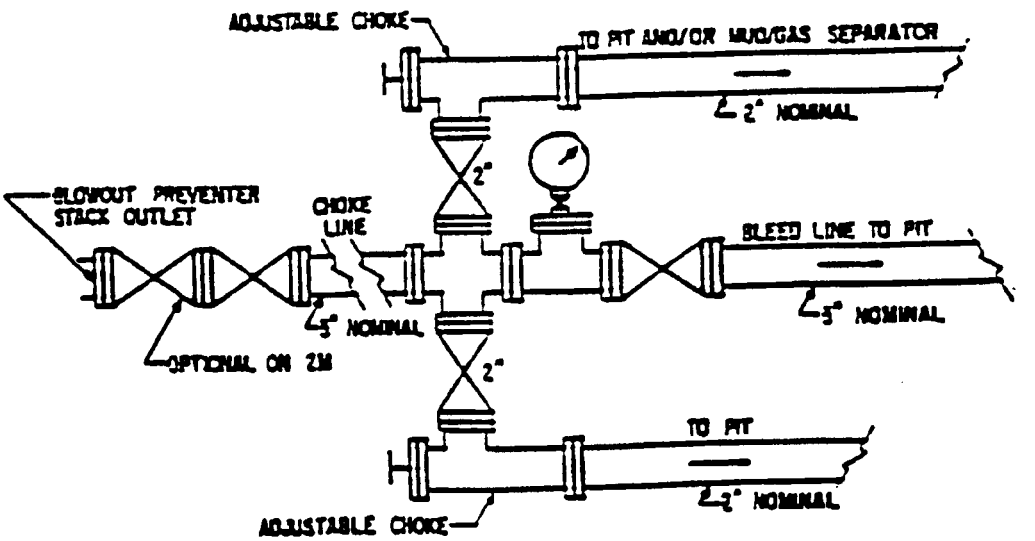
EXCESS MATERIAL AFTER 5% COMPACTION = 2,500 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,500 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

3,000 PSI

BOP STACK





WORKSHEET

APPLICATION FOR PERMIT TO DRILL

004

APD RECEIVED: 11/22/2002

API NO. ASSIGNED: 43-047-34787

WELL NAME: NBU 438

OPERATOR: EL PASO PROD OIL & GAS (N1845)

CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:

SWNW 33 090S 210E

SURFACE: 2133 FNL 0986 FWL

BOTTOM: 2133 FNL 0986 FWL

UINTAH

NATURAL BUTTES (630)

LEASE TYPE: 3 - State

LEASE NUMBER: U-015630-ST

SURFACE OWNER: 3 - State

PROPOSED FORMATION: MVRD

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	1/28/03
Geology		
Surface		

LATITUDE: 39.99393

LONGITUDE: 109.56203

RECEIVED AND/OR REVIEWED:

✓ Plat

___ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 400JU0705)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit NATURAL BUTTES ✓

___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

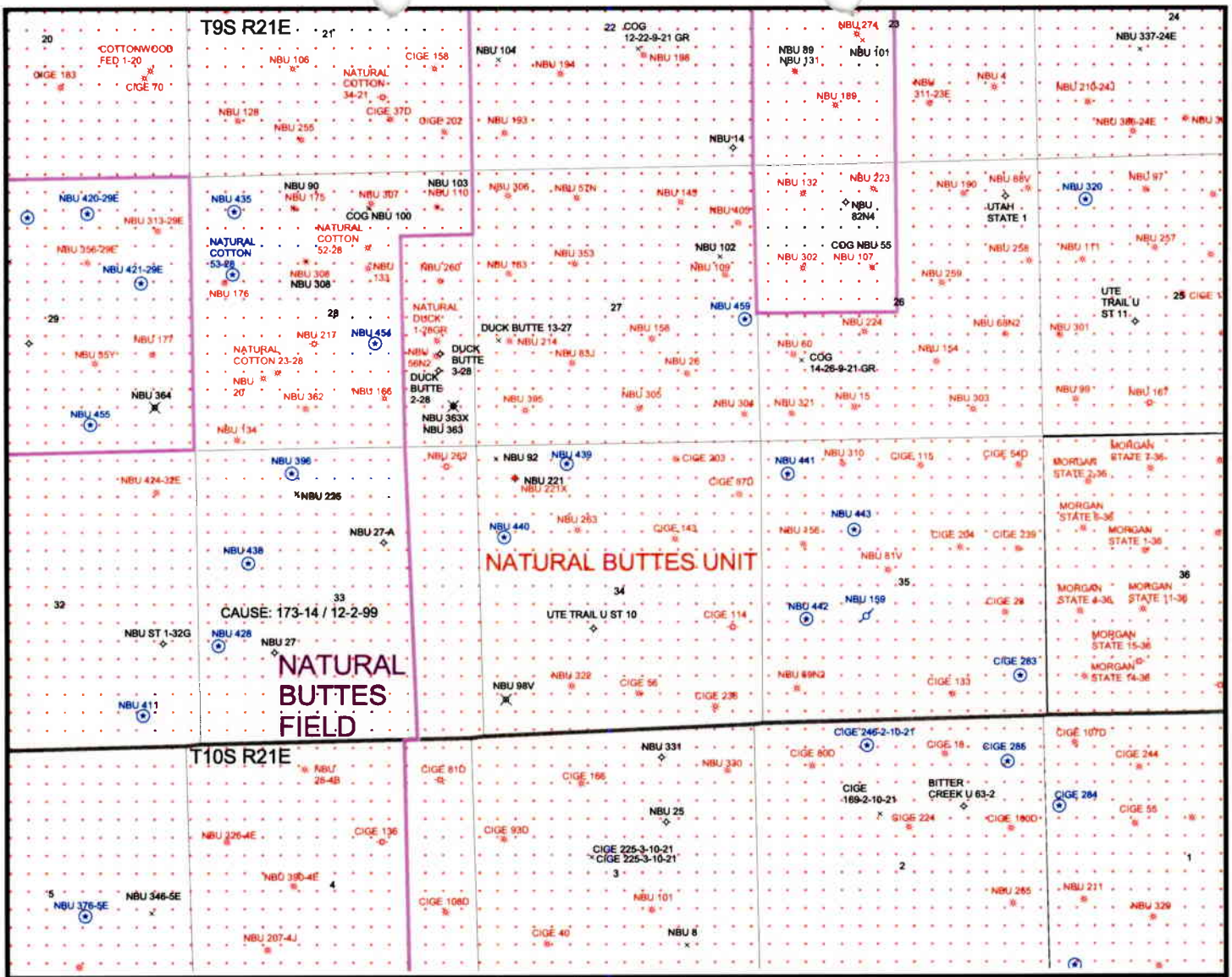
___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-99
Siting: ~1460' fr u boundry & Unc. nm. Tract

___ R649-3-11. Directional Drill

COMMENTS: Need Permit (12-11-02)

STIPULATIONS: (1) Oil Shale
(2) STATEMENT OF BASIS



OPERATOR: EL PASO PRODUCTION (N1845)

SEC. 33 T9S. R21E.

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-99

Utah Oil Gas and Mining

WELLS

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

UNIT STATUS

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

FIELD STATUS

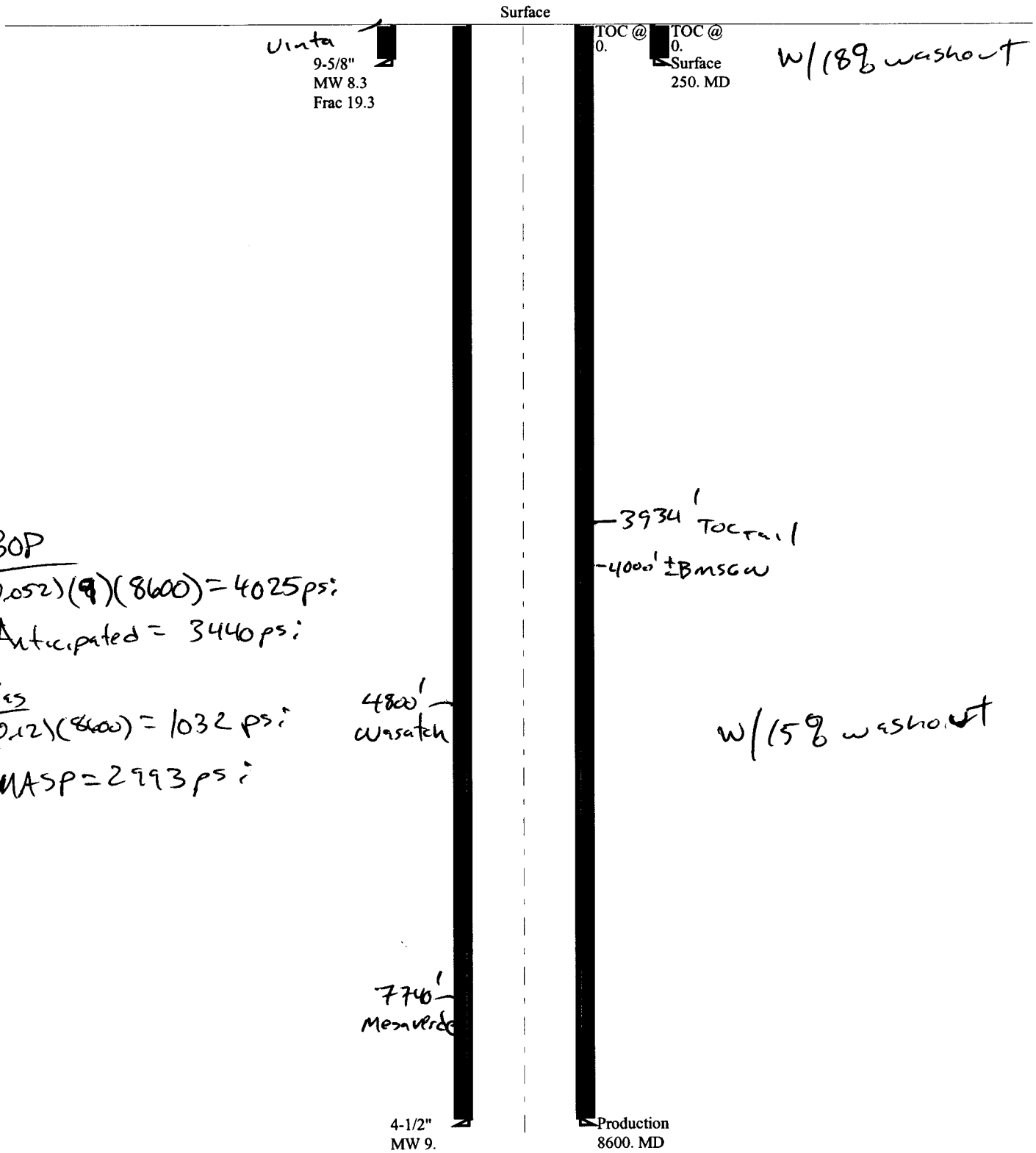
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES

N W E S

PREPARED BY: DIANA MASON
DATE: 26-NOVEMBER-2002

12-02 El Paso NBU 43[illegible]

Casing Schematic



BOP

(0.052)(9)(8600) = 4025psi

Anticipated = 3440psi

Gas

(0.12)(8600) = 1032psi

MASP = 2993psi

Well name:	**12-02 El Paso NBU 438**
Operator:	**El Paso Production Company**
String type:	Surface
Project ID:	43-047-34787
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.468 psi/ft
Calculated BHP 117 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 219 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 68 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 200 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 8,600 ft
Next mud weight: 9.000 ppg
Next setting BHP: 4,021 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 250 ft
Injection pressure 250 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	250	9.625	32.30	H-40	ST&C	250	250	8.876	15.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	108	1370	12.66	117	2270	19.42	8	254	31.46 J

Prepared by: Dustin Doucet
Utah Dept. of Natural Resources
Phone: 801-538-5281
FAX: 801-359-3940
Date: January 23,2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 250 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**12-02 El Paso NBU 438**
Operator:	**El Paso Production Company**
String type:	Production
Project ID:	43-047-34787
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 0 psi
Internal gradient: 0.468 psi/ft
Calculated BHP 4,021 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 7,443 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 185 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8600	4.5	11.60	J-55	LT&C	8600	8600	3.875	199.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4021	4960	1.23	4021	5350	1.33	100	162	1.62 J

El Paso Assumes max 50 K lbs overpull
Has been Standard practice
Dan Lindsey 1/27/03
1.88 w/ buoyancy

Prepared by: Dustin Doucet
Utah Dept. of Natural Resources
Phone: 801-538-5281
FAX: 801-359-3940
Date: January 23,2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 8600 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: EL PASO PRODUCTION & GAS COMPANY
WELL NAME & NUMBER: NBU 438
API NUMBER: 43-047-34787
LOCATION: 1/4,1/4 SW/NW Sec:33 TWP: 9S RNG:21E 986' FWL 2133' FNL

Geology/Ground Water:

El Paso proposes to set 250' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,000'. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 33 . This well is approximately .5 miles from the proposed location and is listed as a mining use well. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

Reviewer: Brad Hill **Date:** 12/16/02

Surface:

The predrill investigation of the surface was performed on 12/11/02. Floyd Bartlett and Miles Hanberg with DWR and Ed Bonner with SITLA were invited to this investigation on 12/2/02. Mr. Hanberg was present. SITLA did not have a representative present. Mr. Hanberg did not have any concerns regarding the construction of this location or the drilling of the well. This site is on State surface. This site appears to be the best site for a location in the immediate area.

Reviewer: David W. Hackford **Date:** 12/13//02

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: ELPASO PRODUCTION OIL & GAS COMPANY.
WELL NAME & NUMBER: NBU 438
API NUMBER: 43-047-34787
LEASE: U-015630-ST **FIELD/UNIT:** NATURAL BUTTES
LOCATION: 1/4,1/4 SW/NW **Sec:** 33 **TWP:** 9S **RNG:** 21E 986' FWL 2133' FNL
LEGAL WELL SITING: _____F **SEC. LINE;** _____F **1/4,1/4 LINE;** _____F **ANOTHER WELL.**
GPS COORD (UTM): **4427864N 12622761N** **SURFACE OWNER:** STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM), MILES HANBERG, (DWR), CARROLL ESTES, CARROLL WILSON, (EL PASO). ROBERT KAY, (UELS).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS ON THE WEST POINT OF A LOW RIDGE RUNNING EAST TO WEST. THERE ARE SOME SHALLOW DRAWS HEADING NORTHWEST, WEST ANS SOUTHWEST OF SITE. DRAINAGE IS TO THE SOUTHWEST. SITE IS FIVE MILES SOUTH OF THE WHITE RIVER AND 16 MILES SOUTHEAST OF OURAY, UTAH.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 230'. ACCESS ROAD WILL BE 0.3 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACALITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SALTBRUSH, SHADSCALE, PRICKLEY PEAR, CHEATGRASS, SAGE, GRASSES: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 140' BY 70' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: **AS PER SITLA.**

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COLD, FROSTY DAY WITH TWO INCHES OF SNOW COVER.

ATTACHMENTS

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD
DOGM REPRESENTATIVE

12/11/02. 9:30 AM
DATE/TIME

Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	5
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	20
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	15 20	5
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0

Final Score 30 (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.


2002 12 11


2002 12 11

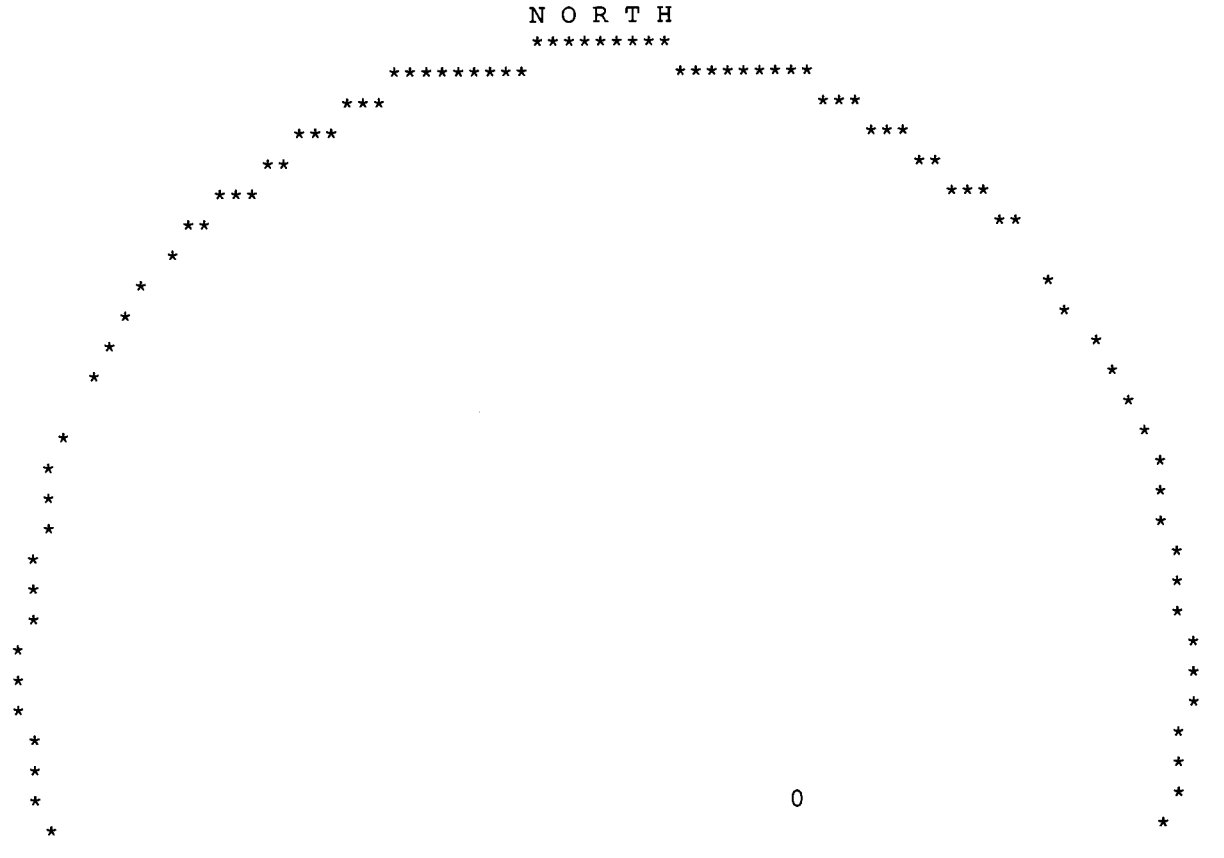

2002 12 11

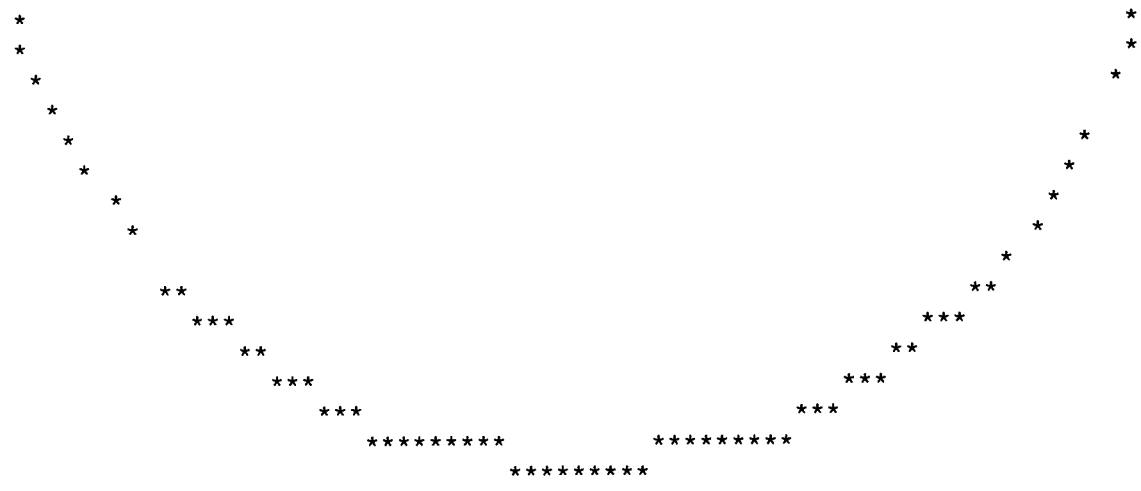

2002 12 11

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, DEC 16, 2002, 11:19 AM
PLOT SHOWS LOCATION OF 1 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 33 TOWNSHIP 9S RANGE 21E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	QUANTITY AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER	DEPTH	YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH	EAST	CNR	SEC	TWN	RNG	B&
0	49 355	1.0000	.00	7	1667		N 951	E 689	SW	34	9S	21E	S

WATER USE(S): MINING OTHER
PRIORITY DATE: 07/10/1
Tosco Corporation 10100 Santa Monica Blvd. Los Angeles

005

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

January 29, 2003

El Paso Production Oil & Gas Company
P O Box 1148
Vernal, UT 84078

Re: Natural Buttes Unit 438 Well, 2133' FNL, 986' FWL, SW NW, Sec. 33, T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34787.

Sincerely,

John R. Baza
Associate Director

er
Enclosures
cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal Field Office

Utah!
Where ideas connect

Operator: El Paso Production Oil & Gas Company
Well Name & Number Natural Buttes Unit 438
API Number: 43-047-34787
Lease: U-015630-ST

Location: SW NW **Sec.** 33 **T.** 9 South **R.** 21 East

Conditions of Approval

1. **General**
Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):
- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety – Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider – Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases – in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black

Debby J. Black
Engineer Technician

Encl:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
FEB 2 2 2002
DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 2 1 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523

Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

UNITED STATES GOVERNMENT

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process.

Charles H Cameron

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240

FEB 1 0 2003

IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, ($150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Natural Buttes Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____

8. WELL NAME and NUMBER: Exhibit "A"

2. NAME OF OPERATOR: El Paso Production Oil & Gas Company

9. API NUMBER:

3. ADDRESS OF OPERATOR: 9 Greenway Plaza CITY Houston STATE TX ZIP 77064-0995

PHONE NUMBER: (832) 676-5933

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
_____	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	_____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

RECEIVED
FEB 2 8 2003
DIV. OF OIL, GAS & MINING

EL PASO PRODUCTION OIL & GAS COMPANY

By: _____
Jon R. Nelsen, Attorney-in-Fact

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT) David R. Dix TITLE Agent and Attorney-in-Fact

SIGNATURE _____ DATE 12/17/02

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7023

9. API Well No.
SEE ATTACHED EXHIBIT "A"

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other SUCCESSOR OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration the
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zo
Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30
following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed
testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator
determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF. BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED
MAR 0 4 2003
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
CHERYL CAMERON

Title
OPERATIONS

Signature

Date
March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Division of Oil, Gas and Mining

ROUTING

1. GLH
2. CDW ✓
3. FILE

OPERATOR CHANGE WORKSHEET

0 0 6

X Change of Operator (Well Sold) Designation of Agent/Operator

Operator Name Change Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

FROM: (Old Operator):	**TO:** (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No. **Unit:** **NATURAL BUTTES**

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 377	31-09S-21E	43-047-34363	99999	FEDERAL	GW	APD
NBU 378	31-09S-21E	43-047-34364	2900	FEDERAL	GW	P
NBU 409	32-09S-21E	43-047-34421	99999	STATE	GW	APD
NBU 411	32-09S-21E	43-047-34422	99999	STATE	GW	APD
NBU 424-32E	32-09S-21E	43-047-33699	2900	STATE	GW	P
NBU 27	33-09S-21E	43-047-30304	2900	STATE	GW	PA
NBU 27-A	33-09S-21E	43-047-30398	2900	STATE	GW	PA
NBU 262	33-09S-21E	43-047-32929	2900	FEDERAL	GW	S
NBU 396	33-09S-21E	43-047-34480	2900	FEDERAL	GW	DRL
NBU 428	33-09S-21E	43-047-34709	99999	STATE	GW	APD
NBU 438	33-09S-21E	43-047-34787	99999	STATE	GW	APD
NBU CIGE 56-34-9-21	34-09S-21E	43-047-30530	2900	STATE	GW	P
NBU CIGE 87D-34-9-21	34-09S-21E	43-047-30869	2900	STATE	GW	P
NBU 98V	34-09S-21E	43-047-31327	2900	FEDERAL	GW	TA
CIGE 114-34-9-21	34-09S-21E	43-047-31915	2900	FEDERAL	GW	S
CIGE 143-34-9-21	34-09S-21E	43-047-31995	2900	FEDERAL	GW	P
NBU 221	34-09S-21E	43-047-32499	2900	FEDERAL	GW	PA
NBU 221X	34-09S-21E	43-047-32545	2900	STATE	GW	P
CIGE 236-34-9-21	34-09S-21E	43-047-32861	2900	STATE	GW	P
CIGE 203-34-9-21	34-09S-21E	43-047-32881	2900	STATE	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 03/06/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181

5. If **NO**, the operator was contacted contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 03/18/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 03/18/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
   The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

007

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891008900A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Multiple Wells - see attached

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

9. API Well No.
Multiple Wells - see attached

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-

10. Field and Pool, or Exploratory Area
Natural Buttes Unit

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Multiple Wells - see attached

43.047.34787

11. County or Parish, State
Uintah County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of oringinal volume to 98.52% when the pressure was dropped. The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

RECEIVED
SEP 10 2003
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*
J.T. Conley

Title
Operations Manager

Signature
J.T. Conley

Date
9-2-2003

COPY SENT TO OPERATOR
Date: 9-16-03
Initials: CHD

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 9/16/03
By:

Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Westport Oil & Gas, L.P.

Project Economics Worksh

Instructions: Fill in blue bordered areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for $/BF and $/MCF

Project Name: **Condensate Shrinkage Economics**

Is this job a well pull or production rig job ??? N (Y or N)

	BEFORE $/Year	AFTER $/Year	DIFFERENCE $/Year
Gross Oil Revenue	$1,088	$1,099	$11
Gross Gas Revenue	$0	$0	$0
NGL Revenue	$0	$0	$0
PULLING UNIT SERVICE			$0
WIRELINE SERVICE			$0
SUBSURF EQUIP REPAIRS			$0
COMPANY LABOR			$0
CONTRACT LABOR	$0	$200	$200
CONTR SERVICE			$0
LEASE FUEL GAS	$0	$0	$0
UTILITIES - ELECTRICITY	$0	$0	$0
CHEMICAL TREATING			$0
MATERIAL & SUPPLY	$0	$150	$150
WATER & HAULING			$0
ADMINISTRATIVE COSTS			$0
GAS PLANT PROCESSING			$0
Totals	$0	$350	$350 Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, $
Capital $	820/830/840	$1,200
Expense $	830/860	$0
Total $		$1,200

Oil Price	$ 23.00	$/BO
Gas Price	$ 3.10	$/MCF
Electric Cost	$ -	$ / HP / day
OPX/BF	$ 2.00	$/BF
OPX/MCF	$ 0.62	$/MCF

Production & OPX Detail:

	Before		After		Difference	
Oil Production	0.192	BOPD	0.194	BOPD	0.002	BOPD
Gas Production	0	MCFPD	0	MCFPD	0	MCFPD
Wtr Production	0	BWPD	0	BWPD	0	BWPD
Horse Power		HP		HP	0	HP
Fuel Gas Burned		MCFPD		MCFPD	0	MCFPD

Project Life:

Life = 20.0 Years
(Life no longer than 20 years)

Internal Rate of Return:
After Tax IROR = #DIV/0!

AT Cum Cashflow:
Operating Cashflow = ($2,917) (Discounted @ 10%)

Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

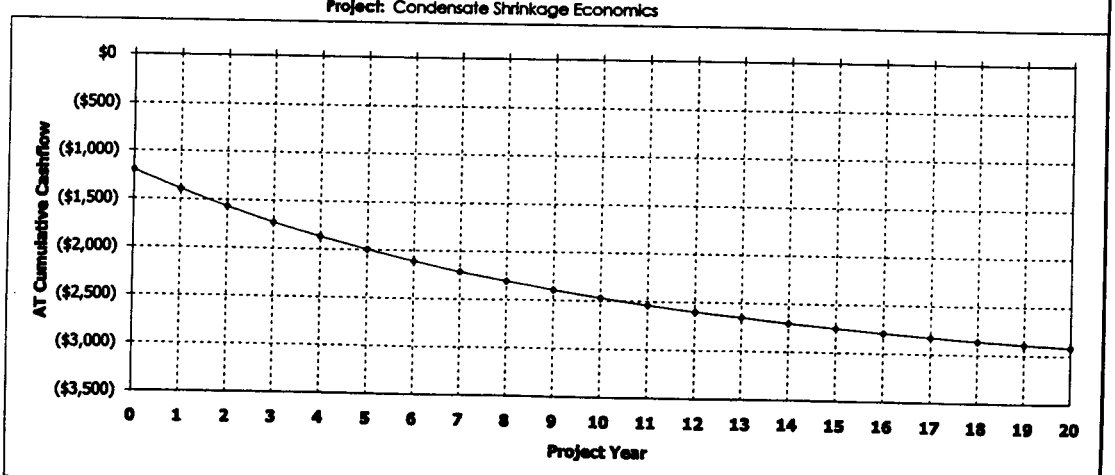
Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = NEVER Years or #VALUE! Days

Gross Reserves:
Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.



Westport Oil and Gas, Inc.
NBU/Ouray Field
RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES
Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				
Calculated at Laboratory Flash Conditions					
80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%
Calculated Flash with Backpressure using Tuned EOS					
80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.
(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.
(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.
Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

WELL	LEGALS	STFLEASENO	CANUMBER	APINO	
NBU 419	21-10-21 NWNE	U02278	891008900A	4304734376 00S1	
NBU 420	20-10-21 SESE	UTU02278	891008900A	4304734377 00S1	
NBU 421	20-10-21 NESE	UTU02278	891008900A	4304734378 00S1	
NBU 422	29-10-22 SWSE	UTU469	891008900A	4304734414 00S1	
NBU 423	29-10-22 NWSE	UTU469	891008900A	4304734415 00S1	
NBU 424	29-10-22 NESW	UTU0145824	891008900A	4304734416 00S1	
NBU 425	11-10-21 SENE	UTU01190	891008900A	4304734410 00S1	
NBU 426	11-10-21 SWNE	UTU01190	891008900A	4304734411 00S1	
NBU 427	11-10-21 NWNE	UTU01190	891008900A	4304734418 00S1	
NBU 428	33-9-21 NWSW	UTU015630ST	891008900A	4304734709 00S1	
NBU 434	14-10-21 SENE	UTU465	891008900A	4304734481 00S1	✓
NBU 435	28-9-21 NWNW	UTU0576	891008900A	4304734805 00S1	
NBU 436	30-9-21 SWNE	UTU0581	891008900A	4304734780 00S1	
NBU 438	33-9-21 SWNW	UTU015630-ST	891008900A	4304734787 00S1	
NBU 439	34-9-21 NENW	UTU01194-A-ST	891008900A	4304734786 00S1	✓
NBU 440	34-9-21 SWNW	UTU01194-A-ST	891008900A	4304734785 00S1	
NBU 441	35-9-21 NWNW	UTU01194-A-ST	891008900A	4304734791 00S1	
NBU 442	35-9-21 NWSW	UTU01194-A-ST	891008900A	4304734788 00S1	
NBU 443	35-9-21 SENW	UTU01194-ST	891008900A	4304734789 00S1	
NBU 444	1-10-21 SWSW	UTU02842B	891008900A	4304734796 00S1	
NBU 445	30-9-21 NWSE	UTU0581	891008900A	4304734867 00S1	
NBU 446	8-9-21 SENW	UTU0149767	891008900A	4304734621 00S1	✓
NBU 448	22-9-20 NWSW	UTU0577B	891008900A	4304734782 00S1	
NBU 452	8-9-21 SWNE	UTU0149767	891008900A	4304734875 00S1	
NBU 453	8-9-21 NWSE	UTU0575B	891008900A	4304734816 00S1	
NBU 454	28-9-21 NWSE	UTU0576	891008900A	4304734698 00S1	✓
NBU 455	29-9-21 SWSE	UTU0581	891008900A	4304734699 00S1	✓
NBU 456	22-9-21 SESW	UTU010950A	891008900A	4304734818 00S1	
NBU 457	22-9-21 NESE	UTU010950A	891008900A	4304734817 00S1	
NBU 458	23-9-21 SENW	UTU0149075	891008900A	4304734819 00S1	
NBU 459	27-9-21 NESE	UTU01194A-ST	891008900A	4304734680 00S1	✓
NBU 460	30-9-21 SENE	UTU0581	891008900A	4304734697 00S1	✓
NBU 461	14-10-22 SWNE	U01197A-ST	891008900A	4304734823 00S1	
NBU 462	15-10-22 SENW	U-01196-A	891008900A	4304734839 00S1	✓
NBU 463	15-10-22 NWNE	UTU025187	891008900A	4304734840 00S1	
NBU 464	15-10-22 NENW	U025187	891008900A	4304734846 00S1	
NBU 465	29-10-22 NWSW	SL070220A	891008900A	4304734860 00S1	✓
NBU 466	32-10-22 NWNE	ML22798	891008900A	4304734824 00S1	✓
NBU 468	11-10-21 SENW	UTU0149080	891008900A	4304734856 00S1	
NBU 470	7-10-22 SWSE	UTU466	891008900A	4304734833 00S1	
NBU 471	17-10-22 NWNE	UTU01196E	891008900A	4304734834 00S1	
NBU 472	32-10-22 SWNE	ML22798	891008900A	4304734896 00S1	✓
NBU 492-7E	7-9-21 LOT 1	UTU0149767	891008900A	4304734217 00S1	
NBU 922-36I	36-9-22 NESE	MS22650	891008900A	4304735107 00S1	✓
UTE TRAIL 083X	9-10-22 SENE	UTU01196D	891008900A	4304715388 00S1	
UTE TRAIL 088X	2-10-21 SESE	ML13826	891008900A	4304715389 00S1	✓

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

009

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
8. WELL NAME and NUMBER: NBU 438
9. API NUMBER: 4304734787
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER ____ CONFIDENTIAL

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2133'FNL & 986'FWL COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: ____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD EXTENSION
____	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION, SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED.

Approved by the Utah Division of Oil, Gas and Mining
Date: 01-25-05
By: [signature]

COPY SENT TO OPERATOR
Date: 1-25-05
Initials: CHD

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 1/12/2005

(This space for State use only)

RECEIVED
JAN 19 2005
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304734787
Well Name: NBU 438
Location: SWNW SECTION 33-T9S-R21E
Company Permit Issued to: WESTPORT OIL & GAS CO., L.P.
Date Original Permit Issued: 1/29/2003

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Signature

1/12/2003
Date

Title: REGULATORY ANALYST

Representing: WESTPORT OIL & GAS COMPANY L.P.

RECEIVED
JAN 19 2005
DIV. OF OIL, GAS & MINING

Form 9

0.08

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

6. Lease Designation and Serial Number: U-015630-ST
7. Indian Allottee or Tribe Name:
8. Unit or Communitization Agreement: NATURAL BUTTES UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT – for such proposals

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other (specify)
9. Well Name and Number: **NBU #438**
2. Name of Operator: WESTPORT OIL & GAS COMPANY L.P.
10. API Well Number: 43-047-34787
3. Address of Operator: 1368 SOUTH 1200 EAST VERNAL, UT 84078
4. Telephone Number: (435) 781-7024
11. Field and Pool, or Wildcat: NATURAL BUTTES
5. Location of Well
Footage : 2133'FNL & 986'FWL
County : UINTAH
QQ, Sec, T., R., M : SWNW SECTION 33-T9S-R21E
State : UTAH

12. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
[ ] Abandonment	[ ] New Construction	[ ] Abandonment *	[ ] New Construction
[ ] Casing Repair	[ ] Pull or Alter Casing	[ ] Casing Repair	[ ] Pull or Alter Casing
[ ] Change of Plans	[ ] Recompletion	[ ] Change of Plans	[ ] Shoot or Acidize
[ ] Conversion to Injection	[ ] Shoot or Acidize	[ ] Conversion to Injection	[ ] Vent or Flare
[ ] Fracture Treat	[ ] Vent or Flare	[ ] Fracture Treat	[ ] Water Shut-Off
[ ] Multiple Completion	[ ] Water Shut-Off	[ ] Other	
[X] Other ONE YEAR EXTENSION			

Approximate Date Work Will Start: IMMEDIATE

Date of Work Completion:

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION, SO THAT DRILLING OPERATIONS MAY BE COMPLETED.

Approved by the Utah Division of Oil, Gas and Mining
Date: 01-22-04
By:

COPY SENT TO OPERATOR
Date: 1-23-04
Initials: CHD

14. I hereby certify that the foregoing is true and correct.

Name & Signature: Sheila Upchego Title: Regulatory Analyst Date: 01/12/04

(State Use Only)

RECEIVED
JAN 20 2004
DIV. OF OIL, GAS & MINING

(8/90) See Instructions on Reverse Side

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-34787
Well Name: NBU #438
Location: SWNW SECTION 33-T9S-R21E
Company Permit Issued to: WESTPORT OIL & GAS CO., L.P.
Date Original Permit Issued: 1/29/03

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Signature

1/12/2004
Date

Title: REGULATORY ANALYST

Representing: WESTPORT OIL & GAS COMPANY L.P.

STATE OF UTAH 010
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR WESTPORT O&G COMPANY L.P
ADDRESS 1368 SOUTH 1200 EAST
VERNAL, UTAH 84078

OPERATOR ACCT. NO. N 2115

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	14522	43-047-34421	STATE 921-32L	NWSW	32	9S	21E	UINTAH	1/19/2005	1/25/05 K

WELL 1 COMMENTS:
MIRU PETE MARTIN BUCKET RIG WSTC uncommitted
SPUD WELL LOCATION ON 1/19/05 AT 8:00 AM. CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	14523	43-047-34872	STATE 921-32M	SWSW	32	9S	21E	UINTAH	1/19/2005	1/25/05 K

WELL 2 COMMENTS:
MIRU PETE MARTIN BUCKET RIG. WSTC uncommitted
SPUD WELL LOCATION ON 1/19/05 AT 9:00 AM CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	2900	43-047-34787	NBU 438	SWNW	33	9S	21E	UINTAH	1/19/2005	1/25/05 K

WELL 3 COMMENTS:
MIRU PETE MARTIN BUCKET RIG. MVRD (WSMVD - NBU unit) CO
SPUD WELL LOCATION ON 1/13/05 AT 1300 HRS. CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	14524	43-047-35745	BONANZA 1023-1E	SWNW	1	10S	23E	UINTAH	1/20/2005	1/25/05 K

WELL 4 COMMENTS:
MIRU PETE MARTIN BUCKET RIG. MVRD
SPUD WELL LOCATION ON 1/20/05 AT 8 AM —

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	14525	43-047-34741	OURAY 6-225	NESW	6	9S	21E	UINTAH	1/7/2005	1/25/05 K

WELL 5 COMMENTS:
MIRU PETE MARTIN BUCKET RIG WSTC
SPUD WELL LOCATION ON 1/7/05 AT 8 AM. CONFIDENTIAL

ACTION CODES (See instructions on back of form)
A - Establish new entity for new well (single well only)
B - Add new well to existing entity (group or unit well)
C - Re-assign well from one existing entity to another existing entity
D - Re-assign well from one existing entity to a new entity
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.
(3/89)

Post-it® Fax Note 7671 | Date | # of pages ▶
To BRENT RUSSELL | From Sheila Upchego
Co./Dept. UDOGM | Co. WESTPORT OIL & GAS CO
Phone (801) 538-5336 | Phone (435) 781-7024
Fax # (801) 359-3940 | Fax (435) 781-7094

Signature Sheila Upchego
REGULATORY ANALYST 01/24/05
Title Date
Phone No. (435) 781-7024

RECEIVED
JAN 24 2005
DIV. OF OIL, GAS & MINING

JAN-24-2005 MON 10:43 AM EL PASO PRODUCTION FAX NO. 4357817094 P. 01

FORM 9

011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER CONFIDENTIAL

8. WELL NAME and NUMBER: NBU 438

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. API NUMBER: 4304734787

3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2133'FNL & 986'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 1/19/2005	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" CONDUCTOR PIPE. CMT W/28 SX READY MIX CMT.

SPUD WELL LOCATION ON 1/19/05 AT 1300 HRS.

RECEIVED
FEB 01 2005
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 1/24/2005

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

012

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
8. WELL NAME and NUMBER: NBU 438
9. API NUMBER: 4304734787
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER CONFIDENTIAL

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2133'FNL & 986'FWL COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 2/3/2005	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL MARTIN AIR RIG. DRILLED 12 1/4" SURFACE HOLE TO 2560'. RAN 9 5/8" 32.3# H-40 SURFACE CSG. LEAD CMT W/220 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD TAILED W/225 PREM GLASS G @15.8 PPG 1.15 YIELD. TOP OUT W/225 SX PREM CLASS G @15.8 PPG 1.15 YIELD. HOLE STAYED FULL.

WORT.

RECEIVED
FEB 0 / 2005
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 2/4/2005

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

013

6. Lease Designation and Serial Number: U-015630-ST
7. Indian Allottee or Tribe Name:
8. Unit or Communitization Agreement: NATURAL BUTTES
9. Well Name and Number: NBU 438
10. API Well Number: 43-047-34787
11. Field and Pool, or Wildcat: NATURAL BUTTES

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other (specify)

CONFIDENTIAL

2. Name of Operator: WESTPORT OIL & GAS COMPANY, L.P.

3. Address of Operator: 1368 SOUTH 1200 EAST, VERNAL, UT 84078

4. Telephone Number: 435-781-7044

5. Location of Well
Footage : 2133' FNL, 986' FWL
QQ, Sec, T., R., M : SWNW, SECTION 33, T9S, R21E
County : UINTAH
State : UTAH

12. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [X] Other TD CHANGE
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start: ASAP

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion:

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

WESTPORT OIL & GAS COMPANY, L.P. HAS NEED TO CHANGE THE ORIGINALLY PERMITTED TD OF 8600' TO 9650' TO REACH THE DESIRED FORMATION.

Approved by the Utah Division of Oil, Gas and Mining
Date: 04-14-05
By:

COPY SENT TO OPERATOR
Date: 4-15-04
Initials: CHD

RECEIVED
APR 0 8 2005
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature: RALEEN WEDDLE Raleen Weddle Title: REGULATORY Date: 04/06/05

(State Use Only)

(8/90)

See Instructions on Reverse Side

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 438

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. API NUMBER: 4304734787

3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2133'FNL & 986'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2560'. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/802 SX PREM LITE II @12.0 PPG 2.37 YIELD. TAILED W/1377 SX 50/50 POZ @14.3 PPG 1.31 YIELD.

RELEASED CAZA 12 ON 4/10/05 AT 1200 HRS.

RECEIVED
APR 13 2005
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 4/11/2005

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 438

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. API NUMBER: 4304734787

3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2133'FNL & 986'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 4/30/2005	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START-UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 4/30/05 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
MAY 10 2005
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 5/3/2005

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

WESTPORT OIL & GAS COMPANY, LP

CHRONOLOGICAL HISTORY

NBU 438

UINTAH COUNTY, UT

	SPUD	Surface Casing	Activity	Status
12/15/04			**Build Location, 15% complete**	**Caza 12**
12/16/04			**Build Location, 15% complete**	**Caza 12**
12/17/04			**Build Location, 15% complete**	**Caza 12**
12/20/04			**Build Location, 25% complete**	**Caza 12**
12/21/04			**Build Location, 30% complete**	**Caza 12**
12/22/04			**Build Location, 35% complete**	**Caza 12**
12/23/04			**Build Location, 40% complete**	**Caza 12**
12/27/04			**Build Location, 40% complete**	**Caza 12**
12/28/04			**Build Location, 65% complete**	**Caza 12**
12/29/04			**Build Location, 65% complete**	**Caza 12**
12/30/04			**Build Location, 80% complete**	**Caza 12**
12/31/04			**Build Location, 80% complete**	**Caza 12**
01/03/05			**Build Location, 80% complete**	**Caza 12**
01/04/05			**Build Location, 90% complete**	**Caza 12**
01/05/05			**Build Location, 90% complete**	**Caza 12**
01/06/05			**Location built, WOBR**	**Caza 12**
01/07/05			**Location built, WOBR**	**Caza 12**
01/10/05			**Location built, WOBR**	**Caza 12**
01/11/05			**Location built, WOBR**	**Caza 12**
01/12/05			**Location built, WOBR**	**Caza 12**
01/13/05			**Location built, WOBR**	**Caza 12**

01/14/05			Location built, WOBR	Caza 12
01/17/05			Location built, WOBR	Caza 12
01/18/05			Location built, WOBR	Caza 12
01/19/05			Location built, WOBR	Caza 12
01/20/05			Location built, WOBR	Caza 12
01/21/05			Location built, WOBR	Caza 12
01/24/05			Location built, WOBR	Caza 12
01/25/05			Location built, WOBR	Caza 12
01/26/05			Location built, WOBR	Caza 12
01/27/05			Location built, WOBR	Caza 12
01/28/05			Location built, WOBR	Caza 12
01/31/05	1/29/04	14" @ 40'	MIAR. Drill to 1630'. DA	Caza 12
02/01/05	1/29/04	9 5/8" @ 2520'	Drill to 2560'. Set csg.	Caza 12
02/02/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/03/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/04/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/07/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/08/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/09/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/10/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/11/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/14/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/15/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/16/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/17/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/18/05	1/29/04	9 5/8" @ 2520'		Caza 12
02/21/05	1/29/04	9 5/8" @ 2520'		Caza 12

02/22/05	1/29/04	9 5/8" @ 2520'	Caza 12
02/23/05	1/29/04	9 5/8" @ 2520'	Caza 12
02/24/05	1/29/04	9 5/8" @ 2520'	Caza 12
02/25/05	1/29/04	9 5/8" @ 2520'	Caza 12
02/28/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/01/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/02/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/03/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/04/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/07/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/08/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/09/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/10/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/11/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/14/05	1/29/04	9 5/8" @ 2520'	Caza 12
03/15/05	1/29/04	9 5/8" @ 2520'	WORT Caza 12
03/16/05	1/29/04	9 5/8" @ 2520'	WORT Caza 12
03/17/05	1/29/04	9 5/8" @ 2520'	WORT Caza 12
03/18/05	1/29/04	9 5/8" @ 2520'	WORT Caza 12

03/21/05 TD: 2560' Csg. 9 5/8"@ 2523' MW: 8.4 SD: 3/X/05 DSS: 0
Finish MIRU. Test BOPE. PU DP and BHA. Drill cmt and FE @ report time.

03/22/05 TD: 3660' Csg. 9 5/8"@ 2523' MW: 8.4 SD: 3/21/05 DSS: 1
Drill cement and FE. Rotary spud 7 7/8" hole @ 1030 hrs 3/21/05. Drill from 2560'-3660'. DA @ report time.

03/23/05 TD: 4565' Csg. 9 5/8"@ 2523' MW: 8.5 SD: 3/21/05 DSS: 2
Drill from 3660'-4565'. DA @ report time.

03/24/05 TD: 5125' Csg. 9 5/8"@ 2523' MW: 9.0 SD: 3/21/05 DSS: 3
Drill from 4565'-5125'. DA @ report time.

03/25/05 TD: 5560' Csg. 9 5/8"@ 2523' MW: 9.2 SD: 3/21/05 DSS: 4
Drill from 5125'-5560'. DA @ report time.

03/28/05 TD: 6710' Csg. 9 5/8"@ 2523' MW: 10.1 SD: 3/21/05 DSS: 7

Drill from 5560'-6710'. DA @ report time.

03/29/05 **TD: 6835' Csg. 9 5/8"@ 2523' MW: 10.6 SD: 3/21/05 DSS: 8**
Drill from 6710'-6774'. TFNB and MM. Drill from 6774'-6835'. DA @ report time.

03/30/05 **TD: 6835' Csg. 9 5/8"@ 2523' MW: 10.6 SD: 3/21/05 DSS: 8**
Drill from 6710'-6774'. TFNB and MM. Drill from 6774'-6835'. DA @ report time.

03/31/05 **TD: 7740' Csg. 9 5/8"@ 2523' MW: 11.4 SD: 3/21/05 DSS: 10**
Drill from 7325'-7740'. DA @ report time.

04/01/05 **TD: 7944' Csg. 9 5/8"@ 2523' MW: 11.4 SD: 3/21/05 DSS: 11**
Drill from 7740'-7944'. DA @ report time.

04/04/05 **TD: 8445' Csg. 9 5/8"@ 2523' MW: 11.7 SD: 3/21/05 DSS: 14**
Drill from 7944'-8221'. TFNB & MM. Drill from 8221'-8445'. DA @ report time.

04/05/05 **TD: 8650' Csg. 9 5/8"@ 2523' MW: 11.7 SD: 3/21/05 DSS: 15**
Drill from 8445'-8618'. Shut well in and circulate out gas. Drill to 8650'. DA @ report time.

04/06/05 **TD: 8842' Csg. 9 5/8"@ 2523' MW: 12.5 SD: 3/21/05 DSS: 16**
Drill from 8650'-8842'. DA @ report time.

04/07/05 **TD: 9180' Csg. 9 5/8"@ 2523' MW: 12.5 SD: 3/21/05 DSS: 17**
Drill from 8842'-9180'. DA @ report time.

04/08/05 **TD: 9465' Csg. 9 5/8"@ 2523' MW: 12.7 SD: 3/21/05 DSS: 18**
Drill from 9180'-9465'. DA @ report time.

04/11/05 **TD: 9478' Csg. 9 5/8"@ 2523' MW: 12.7 SD: 3/21/05 DSS: 21**
Drill from 9465'-9478' TD. Circulate bottoms up and short trip to 8000'. CCH and POOH for logs. Run Triple Combo. TIH and CCH for casing. POOH laying down drill string. Run and cement 4 ½" Production Casing. ND BOPE and set slips. Release rig @ 1200 hrs 4/10/05. Rig down rotary tools. Will move to the NBU 442 this am.

04/21/05 PROG: RD OFF STATE 921-32L ROAD RIG TO NBU 438 SPOT IN EQUIP, RU NU BOP TEST CSG & BOP TO 7500#, GOOD TEST, SDFN.

04/22/05 PROG: TALLY & PU 2-3/8 J-55 TBG TAG @ 9430', REV BTM UP POOH SDFN.

04/25/05 PROG: MIRU CUTTERS, RIH W/CBL-CCL LOG F/9394'-2200' PU 3-3/8 PERF GUNS LOADED W/23 GM .35 HOLES 4 SPF PERF @ 9284'-90' 9200'-10' NO BLOW, RD CUTTERS, PREP TO FRAC, SWI SDFWE.

04/26/05 PROG: RU SCHLUM & CUTTERS.

STAGE 1#: PERFS 9200-10' , 9284-90'. OPEN PRES 1675. BROKE @ 3730, INJ R 6.2, INJ P: 3700, ISIP: 3580, FG: .85. MP: 6524, MR: 47.3, AP: 5175, AR: 44.3, FG: .81, ISIP 3500, NPI: -80, CLEAN 2668 BBLS, SD 341,500#.

STAGE 2#: RIH SET CBP @ 8695, PERF 8586-90, 8668-70, AFTER PERF 1525# BROKE @ 3671, INJ R 6.1, INJ P: 3050, ISIP: 2450, FG: .72, MP: 5579, MR: 36.8, AP: 4447, AR: 34.6, FG: .81, ISIP: 3220, NPI: 770, CLEAN 884, SD 103,000#.

STAGE 3#: RIH SET CBP @ 8480, PERF 8352-58, 8446-52', AFTER PERF 2090#, BROKE @

2840, INJ R: 6.1, INJ P: 2620, ISIP: 2350, FG: .72, MP: 5794, MR: 45, AP: 4616, AR: 43.6, FG: .82, ISIP: 3250, NPI: 900, CLEAN 2059 BBLS, SD 272,000#.

STAGE 4#: RIH SET CBP @ 8205', PERF 7900-04, 8169-75. SWI 6:30 PM.

04/27/05 PROG: BRK PERF @ 7900'-8175' @ 2730#, INJ RT: 41.1 BPM, INJ PSI: 5460#, ISIP: 2450#, FG: .74. FRAC W/90700# 20/40 SD & 701 BBL YF120ST+ GEL FLUID, MP: 4922#, MR: 42.7 BPM, AP: 4507#, AR: 39.2 BPM, ISIP: 3114#, FG: .82, NPI: 664#.

STAGE #5: RIH SET 5K CBP @ 7750' PERF @ 7714'-20' 4 SPF BRK PERF @ 2310#. INJ RT: 36.6 BPM, INJ PSI: 4231#, ISIP: 1915#, FG: .69, FRAC W/127500# 20/40 SD & 981 BBL YF120ST+ FLUID, MP: 4271#, MR: 36.9 BPM, AP: 3420#, AR: 35.6 BPM, ISIP: 2690#, FG: .78, NPI: 775#. RIH SET 5K CBP @ 7600'. RD SCHLUMBERGER & CUTTERS. RU FLOOR, RIH W/3-7/8 BIT POBS ON 2-3/8 TBG TAG @ 7600'. RU DRLG EQUIP, DRL OUT 5K CBP. RIH 1000# KICK. RIH TAG @ 7720' 30' SD ON PLUG DRL OUT SD & CBP @ 7750'. RIH TAG @ 8170' 30' SD ON PLUG DRL OUT SD & CBP @ 8200' 900# KICK. RIH TAG @ 8440' 40' SD DRL OUT SD & CBP @ 8480' 400# KICK. FLW WL CLEAN SWI SDFN.

04/28/05 PROG: SICP: 2200#, RIH TAG @ 9025' 25' SD ON PLUG DRL OUT SD & CBP @ 9050' 400# KICK CLEAN OUT TO PB 125' SD. FLW WL CLEAN. POOH LD 27 JTS 2-3/8 LAND TBG W/263 JTS ON WL HEAD, ND BOP, NU TREE, PMP OFF BIT, RD TRUN WL TO FLWBACK CREW.

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2200#, TP: 2140#, 20/64 CHK, 31 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 4026, TODAYS LTR: 7,293 BBLS, LOAD REC TODAY: 4,026 BBLS, REMAINING LTR: 3,267 BBLS, TOTAL LOAD REC TO DATE: 4,026#.

04/29/05 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2200#, TP: 2300#, 20/64 CHK, 25 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 726, TODAYS LTR: 3,267 BBLS, LOAD REC TODAY: 726 BBLS, REMAINING LTR: 2,541 BBLS, TOTAL LOAD REC TO DATE: 4,752 BBLS.

05/02/05 **ON SALES**
04/30/05: 1210 MCF, 0 BC, 360 BW, TP: 2412#, CP: 2643#, 18/64 CHK, 20 HRS, LP: 140#.

05/03/05 **ON SALES**
05/01/05: 2261 MCF, 0 BC, 480 BW, TP: 2361#, CP: 3215#, 16/64 CHK, 24 HRS, LP: 135#.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
8. WELL NAME and NUMBER: NBU 438
9. API NUMBER: 4304734787
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E
12. COUNTY: UINTAH
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.
3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078
PHONE NUMBER: (435) 781-7024
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2133'FNL & 986'FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

14. DATE SPUDDED: 1/19/2005
15. DATE T.D. REACHED: 4/11/2005
16. DATE COMPLETED: 4/30/2005 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 4955'GL
18. TOTAL DEPTH: MD 9,478 TVD
19. PLUG BACK T.D.: MD 9,430 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
✓CBL-CCL-GR, ~~HRI/MICROLOG SD/DSN~~,
23. WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	54#		40		28			
12 1/4"	9 5/8 H-40	32.3#		2,560		670			
7 7/8	4 1/2 I-80	11.6#		9,478		2179			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,492							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,714	9,210		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,714 9,210	0.35		Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

RECEIVED
JUN 01 2005
DIV. OF OIL, GAS & MINING

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7714'-9210'	PMP 7523 BBLS YF120ST & 934,700# 20/40 SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/30/2005	5/1/2005	24		0	2,261	480	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16/64	2,361	3,215					0	2,261	480	PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH	4,886	7,670			
MESAVERDE	7,670				

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 5/27/2005

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/6/2006**

FROM: (Old Operator):	**TO:** (New Operator):
N2115-Westport Oil & Gas Co., LP	N2995-Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East	1368 South 1200 East
Vernal, UT 84078	Vernal, UT 84078
Phone: 1-(435) 781-7024	Phone: 1-(435) 781-7024

CA No. **Unit:** NATURAL BUTTES UNIT

WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 3/7/2006
4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
4b. If **NO**, the operator was contacted contacted on:
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 5/15/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 5/15/2006
3. Bond information entered in RBDMS on: 5/15/2006
4. Fee/State wells attached to bond in RBDMS on: 5/16/2006
5. Injection Projects to new operator in RBDMS on:
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: CO1203
2. Indian well(s) covered by Bond Number: RLB0005239
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236

a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires Jnovember 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

BLM BOND = CO1203
BIA BOND = RLB0005239

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*
RANDY BAYNE

Title
DRILLING MANAGER

Signature
Randy Bayne

Date
May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
BRAD LANEY	ENGINEERING SPECIALIST
Signature	Date
	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Brad Laney		5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 438

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304734787

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2133'FNL, 986'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH INTERVALS, AND COMMINGLE THE NEWLY WASATCH INTERVALS WITH THE EXISTING MESAVERDE INTERVALS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR
Date: 7·16·2008
Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 7/9/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/15/08
BY:
Cause 173-14

RECEIVED
JUL 11 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

Name: NBU 438
Location: SW NW Sec 33 T9S R21E
Uintah County, UT
Date: 06/10/2008

ELEVATIONS: 4955 GL 4970 KB

TOTAL DEPTH: 9478 **PBTD:** 9430
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2523'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9477'
Marker Joint **4547**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1550' Green River
2280' Mahogany
4805' Wasatch
7670' Mesaverde

GENERAL:

- A minimum of **31** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 04/08/2005
- **7** fracturing stages required for coverage.
- Procedure calls for 8 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~8490
- Originally completed on 04/26/2005

Existing Perforations:

Zone	Top Perf	Bottom Perf	SPF	Holes
MESAVERDE	7714	7720	4	24
MESAVERDE	7900	7904	2	8
MESAVERDE	8169	8175	4	24
MESAVERDE	8352	8358	4	24
MESAVERDE	8446	8452	4	24
MESAVERDE	8586	8590	4	16
MESAVERDE	8668	8670	2	4
MESAVERDE	9200	9210	4	40
MESAVERDE	9284	9290	4	24

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, J-55 tubing (currently landed at ~8490'). Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 7350 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7350 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 7300'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7080	7090	3	30
WASATCH	7098	7102	3	12

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7030' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~6970'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6864	6867	2	6
WASATCH	6930	6940	4	40

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6814' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~6747'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6601	6603	4	8
WASATCH	6624	6628	4	16
WASATCH	6715	6717	4	8

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6551' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6316'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6109	6111	4	8
WASATCH	6209	6213	4	16
WASATCH	6282	6286	4	16

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6059' and trickle 250gal 15%HCL w/ scale inhibitor in flush. NOTE TIGHT SPACING

13. Set 8000 psi CBP at ~6020'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5977	5990	3	39

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5927' and trickle 250gal 15%HCL w/ scale inhibitor in flush. NOTE TIGHT SPACING

15. Set 8000 psi CBP at ~5916'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5776	5780	3	12
WASATCH	5810	5816	4	24
WASATCH	5884	5886	3	6

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5726' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~5591'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5407	5409	4	8
WASATCH	5550	5554	4	16
WASATCH	5559	5561	4	8

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~5357' and flush only with recycled water.

19. Set 8000 psi CBP at ~5357'.

20. TIH with 3 7/8" bit, pump off sub, SN and tubing.

21. Drill plugs and clean out toPBTD. Shear off bit and land tubing at ±**6834**' unless indicated otherwise by the well's behavior. This well will be commingled.

22. RDMO

For design questions, please call
Curtis Caile, Denver, CO
(406)-490-2742 (Cell)
(720)-929-6194 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
4350781 7041 (Office)

NOTES:
The sand from 7300-7400' is wet and will be avoided.

Fracturing Schedules
NBU 438 Recomplete
Slickwater Frac

4234.7664
100.827771

Stage	Zone	Feet of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	1	7080	7090	3	30	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	1	7098	7102	3	12	0	ISIP and 5 min ISIP											45
	WASATCH	1	No Perfs				50	Slickwater Pad			Slickwater	177	177	15.0%	0.0%	0	0		22
	WASATCH	13	No Perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	589	766	50.0%	39.7%	18,563	18,563		37
	WASATCH	1	No Perfs				50	Slickwater Ramp	1.25	2	Slickwater	413	1,179	35.0%	60.3%	28,153	46,716		0
	WASATCH	1	No Perfs				50	Flush (4-1/2")				109	1,288				46,716		45
	WASATCH	1	No Perfs					ISDP and 5 min ISDP											150
																gal/ft	2,250	2,123	lbs sand/ft
		22	# of Perfs/stage			42							Flush depth	7030		CBP depth	6,970	60	
							26.8	<< Above pump time (min)											
2	WASATCH	1	6864	6867	2	6	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	1	6930	6940	4	40	0	ISIP and 5 min ISIP											
	WASATCH	1	No Perfs				50	Slickwater Pad			Slickwater	397	397	15.0%	0.0%	0	0		50
	WASATCH	1	No Perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	1,324	1,722	50.0%	39.7%	41,719	41,719		83
	WASATCH	1	No Perfs				50	Slickwater Ramp	1.25	2	Slickwater	927	2,649	35.0%	60.3%	63,273	104,992		0
	WASATCH	1	No Perfs				50	Flush (4-1/2")				106	2,755				104,992		44
	WASATCH	2	No Perfs					ISDP and 5 min ISDP											177
																gal/ft	2,500	2,359	lbs sand/ft
		45	# of Perfs/stage			46							Flush depth	6814		CBP depth	6,747	67	
							57.5	<< Above pump time (min)											
3	WASATCH	1	6601	6603	4	8	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	1	6624	6628	4	16	0	ISIP and 5 min ISIP											
	WASATCH	1	6715	6717	4	8	50	Slickwater Pad			Slickwater	221	221	15.0%	0.0%	0	0		28
	WASATCH	1	No Perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	737	958	50.0%	39.7%	23,203	23,203		46
	WASATCH	2	No Perfs				50	Slickwater Ramp	1.25	2	Slickwater	516	1,473	35.0%	60.3%	35,191	58,395		0
	WASATCH	1	No Perfs				50	Flush (4-1/2")				102	1,575				58,395		41
	WASATCH	2	No Perfs					ISDP and 5 min ISDP											115
																gal/ft	2,250	2,123	lbs sand/ft
		28	# of Perfs/stage			32							Flush depth	6551		CBP depth	6,316	235	
							32.8	<< Above pump time (min)											
4	WASATCH	1	6109	6111	4	8	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	2	6209	6213	4	16	0	ISIP and 5 min ISIP											
	WASATCH	1	6282	6286	4	16	50	Slickwater Pad			Slickwater	285	285	15.0%	0.0%	0	0		36
	WASATCH	3	No Perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	951	1,236	50.0%	39.7%	29,953	29,953		60
	WASATCH	4	No Perfs				50	Slickwater Ramp	1.25	2	Slickwater	666	1,902	35.0%	60.3%	45,429	75,382		0
	WASATCH	3	No Perfs				50	Flush (4-1/2")				94	1,996				75,382		39
	WASATCH	1	No Perfs					ISDP and 5 min ISDP											135
																gal/ft	2,250	2,123	lbs sand/ft
		36	# of Perfs/stage			40							Flush depth	6059		CBP depth	6,020	39	LOOK
							41.6	<< Above pump time (min)											
5	WASATCH	2	5977	5990	3	39	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	1	No Perfs				0	ISIP and 5 min ISIP											
	WASATCH	1	No Perfs				50	Slickwater Pad			Slickwater	299	299	15.0%	0.0%	0	0		38
	WASATCH	2	No Perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	997	1,296	50.0%	39.7%	31,406	31,406		63
	WASATCH	2	No Perfs				50	Slickwater Ramp	1.25	2	Slickwater	698	1,994	35.0%	60.3%	47,633	79,039		0
	WASATCH	2	No Perfs				50	Flush (4-1/2")				92	2,086				79,039		38
	WASATCH	1	No Perfs					ISDP and 5 min ISDP											139
																gal/ft	2,500	2,359	lbs sand/ft
		34	# of Perfs/stage			39							Flush depth	5927		CBP depth	5,916	11	LOOK
							43.5	<< Above pump time (min)											
6	WASATCH	9	5776	5780	3	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	4	5810	5816	4	24	0	ISIP and 5 min ISIP											
	WASATCH	10	5884	5886	3	6	50	Slickwater Pad			Slickwater	464	464	15.0%	0.0%	0	0		59
	WASATCH	9	No Perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	1,548	2,012	50.0%	39.7%	48,750	48,750		98
	WASATCH	1	No Perfs				50	Slickwater Ramp	1.25	2	Slickwater	1,083	3,095	35.0%	60.3%	73,938	122,688		0
	WASATCH	1	No Perfs				50	Flush (4-1/2")				89	3,184				122,688		36
	WASATCH	1	No Perfs					ISDP and 5 min ISDP											192
																gal/ft	2,500	2,359	lbs sand/ft
		52	# of Perfs/stage			42							Flush depth	5726		CBP depth	5,591	135	
							66.5												
7	WASATCH	1	5407	5409	4	8	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	1	5550	5554	4	16	0	ISIP and 5 min ISIP											
	WASATCH	1	5559	5561	4	8	50	Slickwater Pad			Slickwater	75	75	15.0%	0.0%	0	0		9
	WASATCH	1	No Perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	250	325	50.0%	39.7%	7,875	7,875		16
	WASATCH	1	No Perfs				50	Slickwater Ramp	1.25	2	Slickwater	175	500	35.0%	60.3%	11,944	19,819		0
	WASATCH	1	No Perfs				50	Flush (4-1/2")				83	583				19,819		0
	WASATCH	1	No Perfs					ISDP and 5 min ISDP											25
													LOOK			gal/ft	2,000	1,888	lbs sand/ft
		11	# of Perfs/stage			32							Flush depth	5357		CBP depth	5,357	0	LOOK
							12.1												
	Totals	226				273					gals bbls		13,466	bbls		Total Sand		507,030	LOOK
							4.7						29.9	tanks				Total Scale Inhib. =	934

NBU 438 Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations Top, ft	Perforations Bottom, ft	SPF	Holes		Fracture Coverage		
1	WASATCH	7080	7080	3	30		7028.5	to	7028.5
	WASATCH	7098	7102	3	12		7053.5	to	7053.5
	WASATCH		No Perfs				7063	to	7063.5
	WASATCH		No Perfs				7078	to	7080.5
	WASATCH		No Perfs				7092	to	7093
	WASATCH		No Perfs				7095	to	7095
	WASATCH		No Perfs				7102	to	7102.5
	WASATCH		No Perfs				7105	to	7105.5
	WASATCH		No Perfs				7129.5	to	7130.5
	WASATCH		No Perfs				7135	to	7135.5
	WASATCH		No Perfs				7150	to	7150.5
	WASATCH		No Perfs				7160	to	7160
	WASATCH		No Perfs				7162	to	7162
	# of Perfs/stage				42		CBP DEPTH	6,970	
2	WASATCH	6864	6867	2	6		6805.5	to	6805.5
	WASATCH	6930	6940	4	40		6820	to	6820
	WASATCH		No Perfs				6831.5	to	6831.5
	WASATCH		No Perfs				6835	to	6835
	WASATCH		No Perfs				6839	to	6839
	WASATCH		No Perfs				6844	to	6845
	WASATCH		No Perfs				6856.5	to	6858
	WASATCH		No Perfs				6865	to	6867.5
	WASATCH		No Perfs				6872	to	6872.5
	WASATCH		No Perfs				6884.5	to	6885.5
	WASATCH		No Perfs				6889.5	to	6889.5
	WASATCH		No Perfs				6903.5	to	6903.5
	WASATCH		No Perfs				6923.5	to	6928
	WASATCH		No Perfs				6929.5	to	6942
	WASATCH		No Perfs				6944	to	6948.5
	WASATCH		No Perfs				6958.5	to	6960.5
	WASATCH		No Perfs				6965	to	6966
	WASATCH		No Perfs				6969	to	6971
	WASATCH		No Perfs				6974.5	to	6975
	WASATCH		No Perfs				6982.5	to	6983
	WASATCH		No Perfs				6986.5	to	6988.5
	WASATCH		No Perfs				6994.5	to	695
	WASATCH		No Perfs				7001.5	to	7001.5
	# of Perfs/stage				46		CBP DEPTH	6,747	
3	WASATCH	6601	6603	4	8		6588	to	6588.5
	WASATCH	6624	6628	4	16		6589.5	to	6590.5
	WASATCH	6715	6717	4	8		6592	to	6592.5
	WASATCH		No Perfs				6594	to	6594.5
	WASATCH		No Perfs				6603	to	6604.5
	WASATCH		No Perfs				6608.5	to	6610.5
	WASATCH		No Perfs				6612	to	6613.5
	WASATCH		No Perfs				6619.5	to	6619.5
	WASATCH		No Perfs				6622.5	to	6628
	WASATCH		No Perfs				6631.5	to	6631.5
	WASATCH		No Perfs				6632.5	to	6633
	WASATCH		No Perfs				6653	to	6654
	WASATCH		No Perfs				6658.5	to	6659
	WASATCH		No Perfs				6660.5	to	6660.5
	WASATCH		No Perfs				6662.5	to	6663
	WASATCH		No Perfs				6665.5	to	6665.5
	WASATCH		No Perfs				6668	to	6669
	WASATCH		No Perfs				6697.5	to	6697.5
	WASATCH		No Perfs				6703.5	to	6703.5
	WASATCH		No Perfs				6708.5	to	6708.5
	WASATCH		No Perfs				6715.5	to	6717
	WASATCH		No Perfs				6721	to	6721.5
	WASATCH		No Perfs				6727	to	6730.5
	# of Perfs/stage				32		CBP DEPTH	6,318	
4	WASATCH	6109	6111	4	8		6089.5	to	6089
	WASATCH	6209	6213	4	16		6091	to	6092.5
	WASATCH	6282	6286	4	16		6094	to	6094.5
	WASATCH		No Perfs				6095.5	to	6098
	WASATCH		No Perfs				6099	to	6103
	WASATCH		No Perfs				6109	to	6112
	WASATCH		No Perfs				6114.5	to	6114.5
	WASATCH		No Perfs				6121	to	6122
	WASATCH		No Perfs				6124	to	6124.5
	WASATCH		No Perfs				6128	to	6128
	WASATCH		No Perfs				6142.5	to	6142.5
	WASATCH		No Perfs				6156.5	to	6156.5
	WASATCH		No Perfs				6166.5	to	6168
	WASATCH		No Perfs				6181	to	6182.5
	WASATCH		No Perfs				6184	to	6185.5
	WASATCH		No Perfs				6187.5	to	6188
	WASATCH		No Perfs				6190	to	6190.5
	WASATCH		No Perfs				6200	to	6201
	WASATCH		No Perfs				6207.5	to	6208
	WASATCH		No Perfs				6218	to	6218.5
	WASATCH		No Perfs				6235.5	to	6235.5
	WASATCH		No Perfs				6238	to	6238.5
	WASATCH		No Perfs				6263	to	6263.5
	WASATCH		No Perfs				6264.5	to	6265
	WASATCH		No Perfs				6274.5	to	6274.5
	WASATCH		No Perfs				6282.5	to	6286
	WASATCH		No Perfs				6288	to	6288.5
	WASATCH		No Perfs				6290	to	6291
	WASATCH		No Perfs				6294	to	6294.5
	WASATCH		No Perfs				6298	to	6298
	# of Perfs/stage				40		CBP DEPTH	6,020	
5	WASATCH	5977	5980	3	39		5940.5	to	5942
	WASATCH		No Perfs				5944	to	5944
	WASATCH		No Perfs				5948.5	to	5948.5
	WASATCH		No Perfs				5950.5	to	5952
	WASATCH		No Perfs				5953.5	to	5955.5
	WASATCH		No Perfs				5960	to	5962
	WASATCH		No Perfs				5966	to	5966.5
	WASATCH		No Perfs				5973	to	5994
	WASATCH		No Perfs				6002.5	to	6003
	WASATCH		No Perfs				6006	to	6009.5
	WASATCH		No Perfs				6016.5	to	6017
	WASATCH		No Perfs				6021.5	to	6023
	# of Perfs/stage				39		CBP DEPTH	5,916	
6	WASATCH	5776	5780	3	12		5775	to	5784
	WASATCH	5910	5916	4	24		5789.5	to	5793
	WASATCH	5884	5886	3	8		5796	to	5806
	WASATCH		No Perfs				5808.5	to	5817
	WASATCH		No Perfs				5818.5	to	5818
	WASATCH		No Perfs				5821.5	to	5822.5
	WASATCH		No Perfs				5829.5	to	5830
	WASATCH		No Perfs				5831	to	5833
	WASATCH		No Perfs				5838	to	5838
	WASATCH		No Perfs				5837.5	to	5837.5
	WASATCH		No Perfs				5855	to	5855
	WASATCH		No Perfs				5857.5	to	5859.5
	WASATCH		No Perfs				5860.5	to	5864
	WASATCH		No Perfs				5872.5	to	5872.5
	WASATCH		No Perfs				5874.5	to	5875
	WASATCH		No Perfs				5876.5	to	5877
	WASATCH		No Perfs				5878.5	to	5878.5
	WASATCH		No Perfs				5879.5	to	5881.5
	WASATCH		No Perfs				5884.5	to	5884.5
	WASATCH		No Perfs				5886.5	to	5886.5
	WASATCH		No Perfs				5893	to	5895
	WASATCH		No Perfs				5898.5	to	5899
	# of Perfs/stage				42		CBP DEPTH	5,591	
7	WASATCH	5407	5409	4	8		5400.5	to	5401.5
	WASATCH	5550	5554	4	16		5407.5	to	5408.5
	WASATCH	5559	5561	4	8		5454	to	5455
	WASATCH		No Perfs				5487	to	5489
	WASATCH		No Perfs				5491.5	to	5492
	WASATCH		No Perfs				5494.5	to	5494.5
	WASATCH		No Perfs				5510.5	to	5511.5
	WASATCH		No Perfs				5531.5	to	5531.5
	WASATCH		No Perfs				5557	to	5558
	WASATCH		No Perfs				5559	to	5561
	# of Perfs/stage				32		CBP DEPTH	5,357	
	Totals				273				

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 438

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304734787

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2133'FNL, 986'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: SHUT-IN
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS NOT COMPLETED THE RECOMPLETION FOR THE SUBJECT WELL LOCATION AS ORIGINALLY PLANNED. WHILE ON PREPARING TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR FOUND A CASING LEAK AT APPROXIMATELY 1776'-1798'. THE OPERATOR NOTIFIED DUSTIN DOUCET WITH THE DIVISION OF OIL, GAS AND MINING DEPARTMENT AND GOT A VERBAL APPROVAL TO REPAIR THE CASING LEAK. THE OPERATOR HAS REPAIRED THE CASING LEAK.

AT THIS TIME THE OPERATOR WILL NOT COMMENCE THE RECOMPLETION AS PLANNED. THE OPERATOR REQUESTS TO RESCIND THE APPROVED RECOMPLETION. DUE TO WELL CASING NOT BEING ABLE TO HOLD OUT FOR A RECOMPLETION. THE OPERATOR IS CURRENTLY EVALUATING THE SUBJECT WELL LOCATION. THE SUBJECT WELL LOCATION IS CURRENTLY SHUT-IN

PLEASE REFER TO THE ATTACHED CASING LEAK CHRONOLOGICAL HISTORY.

NAME (PLEASE PRINT): SHEILA UPCHEGO TITLE: REGULATORY ANALYST

SIGNATURE: DATE: 9/8/2008

(This space for State use only)

RECEIVED
SEP 09 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

WINS No.: 71806	NBU 438	Start Date: 8/13/2008
AFE No.: 804019D	Operation Summary Report	End Date:

Operator	FIELD NAME	SPUD DATE	GL	KB	ROUTE
KERR MCGEE OIL & GAS ONSHORE LP	NATURAL BUTTES	3/21/05	4,955	4970	RUN 08

API	STATE	COUNTY	DIVISION
4304734787	UTAH	UINTAH	ROCKIES

Lat./Long.: Lat./Long.: 39.99389 / -109.56250 **Q-Q/Sect/Town/Range:** SWNW / 33 / 9S / 21E **Footages:** 2,133.00' FNL 986.00' FWL

MTD	TVD	LOG MD	PBMD	PBTVD
9478	0		9429	9429

EVENT INFORMATION: EVENT ACTIVITY: RECOMPLETION REASON: AFE NO.: 804019D
OBJECTIVE: SECONDARY DATE WELL STARTED/RESUMED:
OBJECTIVE2: RECOMPLETE Event End Status:

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

LEED 698 / 698

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
8/13/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	WO/REP	48		P	JSA #1
	7:30 - 18:30	11.00	WO/REP	30	A	P	7AM [DAY 1] RDMO CIGE 284. ROAD RIG TO NBU 438. MIRU, SPOT EQUIPMENT. WHP=250#. BLEW WELL DOWN. KILL TBG W/ 20 BBLS. EOT @ 8490'+-. POOH STDG BACK TBG. [SLM] STARTED SEEING PITTED / SCALED TBG & COLLARS @ 1600'. L/D 215 JTS BAD TBG ON FLOAT. SEND TBG TO PRS FOR INSPECTION. RETREIVE BUMPER SPRING. 6:30 PM SWI-SDFN. PREP TO RIH W/ GAUGE RING IN AM.
8/14/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA#2
	7:30 - 15:00	7.50	COMP	37		P	7AM [DAY 2] SICP=250#. MIRU CUTTERS. RIH W/ 3.625" GAUGE RING TO 7364'. POOH & LD GAUGE RING. RIH W/ BAKER 8K CBP & SET @ 7320'. POOH W/ WL TOOLS. NDBOP, NU FRAC VALVES. MIRU DBL JACK TESTERS. ATTEMPT TO TEST CSG. PUMP IN @ 3700# @ 1 BPM. CALL TOOL HAND & PKR. RIH W/ SINKER BAR ON W.L. WHILE WAITING FOR PKR. TAG CBP @ 7320'. POOH W/ W.L. TOOLS. RIH W/ PKR & SET @ 1550'. NO TEST. TBG LEAK?. 5:30 PM SWI-SDFN. PREP TO POOH LAYING DN OLD TBG & RIH W/ NEW TO TEST IN AM.
8/15/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA#3
	7:30 -		COMP	30		P	7AM [DAY 3] JSA#3 SICP=250#. RLS PKR @ 1550'. POOH LAYING DN OLD TBG & BHA. PU PKR & NEW 2-3/8" J-55 TBG & RIH. [SLM] TBG WAS DRIFTED. FOUND CSG LEAK BETWEEN 1767'-1798'. POOH LAYING DN TBG & BHA. RD FLOOR & TBG EQUIPMENT. NDBOP, NUWH. RACK EQUIPMENT. 3PM SWI-SDF-WE. WIIL HAVE A DECISION MONDAY 8/18/08 ON WHAT TO DO WITH WELL.
8/18/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA#4

Wins No.: 71806	NBU 438	API No.: 4304734787
EVENT INFORMATION:	EVENT ACTIVITY: RECOMPLETION	REASON: AFE NO.: 804019D
	OBJECTIVE: SECONDARY	DATE WELL STARTED/RESUMED.
	OBJECTIVE2: RECOMPLETE	Event End Status:

RIG OPERATIONS: Begin Mobilization | Rig On Location | Rig Charges | Rig Operation Start | Finish Drilling | Rig Release | Rig Off Location

LEED 698 / 698

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:30 - 15:00	7.50	COMP	33		P	7AM [DAY 4] WE-SICP=50#. 9-5/8" SURFACE CSG SIP=1300#. BLEW SURFACE & 4-1/2" CSG PRESSURES DOWN. PMP DN 4-1/2" CSG & ATTEMPT TO RETURN UP 9-5/8" ANNULUS. PRESSURE UP TO 4000#. 15 MIN LEAK OFF TO 3800#. WORK P.T. UNTILL REACHING 4000# TO 3600# IN 6 MIN. EVENTUALLY GOT TO 3700# @ 1 BPM WITH 25 BBLS INJECTED. PRESSURED BACK UP TO BEGINING INJECTION TEST. ATTEMPT TO REVERSE CIRCULATE DN 9-5/8" UP 4-1/2" CSG. HELD GOOD FOR 15 MIN @ 3000#. CONSULT W/ ENGINEERING. -- CALL FOR PUMP TRUCK TO ATTEMPT TO BRK DN IN AM. 3 PM SW-SDFN. 50 BBLS TOTAL PMP'D TODAY.
8/19/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	MAINT	48		P	HLD JSA
	7:30 - 15:00	7.50	MAINT	33	C	P	7AM [DAY 4] 4-1/2" SICP=10#, 9-5/8" SIAP=0#. WAIT ON WTFRD PUMP TRUCK. MIRU WTFRD. P.T. SURFACE LINES TO 7640#.FOUGHT WTFRD SOFTWARE/COMPUERS 4 HRS. PMP INTO 4-1/2" PROD CSG LEAK BETWEEN 1776'-1798' @ 6292# @ 2 PM. 4006# @ 2 BPM @ 5 BBLS PMP'D. 3667# @ 2 BPM @ 10 BBLS PMP'D. 3478# @ 2 BPM @ 15 BBLS PMP'D.- RETURNS TO SURFACE. QUIT GETTING RETURNS @ 18 BBLS GONE 3235# @ 2 BPM @ 20 BBLS PMP'D. 3383# @ 2 BPM @ 25 BBLS PMP'D. 2729# @ 2 BPM @ 30 BBLS PMP'D. 2400# @ 2 BPM @ 35 BBLS PMP'D. ISIP=1300#. MIRU CUTTERS. RIH W/ CBL TOOLS. LOG FROM 2700' TO SURFACE. FOUND A 40' BRIDGE @ 1400'. RDMO CUTTERS. 5 PM SWI-SDFN. PREP TO SQZ IN AM W/ HLBRTN.
	15:00 - 15:00	0.00	MAINT				
8/20/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA--- CEMENTING
	7:30 -		COMP	30		P	7AM [DAY 6] P/U 4-1/2" CMT RETAINER & RIH ON NEW 2-3/8" J-55 TBG. [SLM] TBG WAS DRIFTED. SET RETAINER @ 1701'. MIRU HLBRTN. HLD JSA. ESTABLISH INJ RATE @ 3100 @ 2.5 BPM. PMP'D 70 SX LEAD SLURRY, 15.8#, 1.15 YIELD PREMIUM CLASS G CMT. STARTED LOCKING UP @ 65 SX GONE. LOCKED UP @ 70 SX CMT @ 4000#. STING OUT OF CICR LEAVING 2 SX CMT ON TOP. DISPLACE TBG W/ 15 BBLS. R/D HLBRTN. POOH & L/D 2 JTS. CONTINUE POOH STDG BACK TBG. L/D STINGER. 3 PM SW-SDFN. PREP TO DRILL CICR IN AM.
8/21/2008	SUPERVISOR: BRAD BURMAN						MD:
	11:00 - 11:30	0.50	COMP	48		P	JSA DRLG CICR

Wins No.: 71806	NBU 438	API No.: 4304734787
EVENT INFORMATION:	EVENT ACTIVITY: RECOMPLETION	REASON: AFE NO.: 804019D
	OBJECTIVE: SECONDARY	DATE WELL STARTED/RESUMED:
	OBJECTIVE2: RECOMPLETE	Event End Status:

RIG OPERATIONS: Begin Mobilization | Rig On Location | Rig Charges | Rig Operation Start | Finish Drilling | Rig Release | Rig Off Location

LEED 698 / 698

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	11:30 -		COMP	44	B	P	11AM [DAY 7] SICP=0#. P/U 3-7/8" BIT, POS W/ XN NIPPLE & RIH ON NEW 2-3/8" J-55 TBG. [SLM] TBG WAS DRIFTED. TAG WET CMT @ 1681'. R/U SWVL & RIG PMP. ESTABLISH CIRCULATION . DRILL OUT 20' WET CMT & CICR IN 4 HRS. CIRC CLN. HARD CMT UNDER CICR. 5:30 PM SWI SDFN. PREP TO DRILL OUT CMT IN AM .
8/22/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA --DRLG CMT
	7:30 - 15:00	7.50	COMP	44	A	P	7AM [DAY 8] EOT @ 1700'+-. SICP=0#. ESTABLISH CIRCULATION W/ RIG PUMP. DRILL & C/O 89' CMT TO 1789'. FELL THROUGH. P.T. CSG TO 1000# FOR 15 MIN. [HELD GOOD]. RIH TO CBP @ 7320'. [SLM] TBG WAS DRIFTED. DRILL OUT 1/2 OF CBP. WELL WENT ON EXTREME VACUM. ATTEMPT TO REGAIN CIRCULATION W/ 100 BBLS. -- NO LUCK. CALL FOR FOAM UNIT FOR MONDAY AM. 8/25/09. 3 PM SWI-SDF-WE.
8/25/2008	SUPERVISOR:						MD:
	7:00 - 7:30	0.50	WO/REP	48		P	JSA-- AIR FOAM UNITS
	7:30 -		WO/REP	30		P	7AM [DAY 9] SICP=1600#. EOT @ 7320'+-. BLEW WELL DN. MIRU FOAM TECH AIR FOAM UNIT. ESTABLISH CIRC IN 35 MIN. DRILL OUT REMAINING CBP. RIH, [SLM] TBG WAS DRIFTED. TAG FILL @ 9292'. C/O 48' SCALE TO 9340'. WORE OUT BIT. NOT MAKING HOLE. ORIG PBTD @ 9430'. B.P @ 9290'. -- 50' RATHOLE. FCP=300#. CIRC WELL CLN. RDMO FOAM TECH. POOH & L/D 20 JTS ON FLOAT. CONTIUE POOH STDG BACK TBG. KILL WELL W/ 30 BBLS. POOH & L/D BHA. FOUND BIT SUB & XN NIPPLE. NO BIT OR BIT SUB.-- PMP'D OFF? P/U XN NIPPLE W/ N.C. & RIH OUT OF DERRICK ON 2-3/8" TBG. LAND TBG ON HNGR W/ 278 JTS NEW 2-3/8" J-55 TBG. EOT @ 8742.52', & XN W/ N.C. @ 8740.32'. KILL WELL W/ 40 BBLS. NDBOP, NUWH. BLOW DN CSG TO GET AIR OUT. RACK EQUIPMENT. LEAVE WELL SHUT IN TO BUILD PSI. RD RIG. LTR=0 BBLS. 6:30 PM SDFN. PREP TO MOVE TO BON 1023-7JT IN AM.

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

8. WELL NAME and NUMBER: NBU 438

9. API NUMBER: 4304734787

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2133' FNL, 986' FWL COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☑ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: RTS - Remedial Cement
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR
Date: 11.13.2008
Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego me DATE 11/6/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11/10/08
BY: Dustin Doucet

Federal Approval Of This Action Is Necessary

(See Instructions on Reverse Side)

RECEIVED
NOV 10 2008
DIV. OF OIL, GAS & MINING

(5/2000)

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-33F (API 43-047-36391) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1645'-1970':

Perforate 1942' and 1674' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1970'
Release Packer
Reset RPB at 1750' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1645'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1942' and 1674' and return well to production status.

CORRECTIVE ACTION for NBU 396 (API 43-047-34480) - Cement Bond Log (RTS): to prove fluid confinement within the proposed injection interval 1660'-1981':

Set RPB at 5300'
Run CBL from 5300' - Surface
Remedial Activity will be contingent upon CBL Results

CORRECTIVE ACTION for NBU 438 (API 43-047-34787) - Radioactive Tracer Survey (RTS): to prove fluid confinement within the proposed injection interval 1653'-1966':

Set RPB at 2600' w/ 10' sand on top and test to 3000 psi.
Perforate 4-1/2" casing at 2450 and establish circulation thru perfs from 2450' - Surface
Set CICR at 2400' and establish circulation thru perfs from 2450' - Surface
Cement 4-1/2" x 9-5/8" annulus from 2450' - Surface
Sting out CICR, Circulate 4-1/2" casing clean, and WOC
Perforate 1940' and 1670' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1966'
Release Packer
Reset RPB at 1700' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1653'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1940' and 1670' and return well to production status.

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 438

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304734787

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2133' FNL, 986' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 33 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☑ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Remedial Cement
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR
Date: 11.26.2008
Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 11/6/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11/25/08
BY: (See Instructions on Reverse Side)

* Mahogany Bench @ 2350' should be properly isolated

RECEIVED
NOV 12 2008
DIV. OF OIL, GAS & MINING

(5/2000)

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-33F (API 43-047-36391) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1645'-1970':

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TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1970'
Release Packer
Reset RPB at 1750' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1645'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1942' and 1674' and return well to production status.

CORRECTIVE ACTION for NBU 396 (API 43-047-34480) - Cement Bond Log (RTS): to prove fluid confinement within the proposed injection interval 1660'-1981':

Set RPB at 5300'
Run CBL from 5300' - Surface
Remedial Activity will be contingent upon CBL Results

CORRECTIVE ACTION for NBU 438 (API 43-047-34787) - Radioactive Tracer Survey (RTS): to prove fluid confinement within the proposed injection interval 1653'-1966':

Set RPB at 2600' w/ 10' sand on top and test to 3000 psi.
Perforate 4-1/2" casing at 2450 and establish circulation thru perfs from 2450' - Surface → ?? Cement sqz in Aug 2008 @ 1776-98 w/ 70sx @ 4000 psi;
Set CICR at 2400' and establish circulation thru perfs from 2450' - Surface
Cement 4-1/2" x 9-5/8" annulus from 2450' - Surface
Sting out CICR, Circulate 4-1/2" casing clean, and WOC
Perforate 1940' and 1670' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1966'
Release Packer
Reset RPB at 1700' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1653'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1940' and 1670' and return well to production status.

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

API Well No: 43047347870000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: U-015630-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 438

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047347870000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2133 FNL 0986 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 33 Township: 09.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 4/21/2009	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	✓ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: REMEDIAL CEMENT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED THE REMEDIAL CEMENT WORK ON THE SUBJECT WELL LOCATION. IN ACCORDIANCE WITH THE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY

Accepted by the Utah Division of Oil, Gas and Mining

Date: May 26, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/25/2010

RECEIVED May 25, 2010

US ROCKIES REGION

Operation Summary Report

Well: NBU 438		Spud Date: 3/21/2005	
Project: UTAH-UINTAH	Site: NBU 438		Rig Name No: SWABBCO 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 3/24/2009		End Date: 4/21/2009
Active Datum: RKB @4,969.99ft (above Mean Sea Level)	UWI: NBU 438		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/24/2009	7:00 - 7:30	0.50	WO/REP	48		P		HSM. RIGGING UP & TRIPPING PIPE
	7:30 - 17:30	10.00	WO/REP	30	A	P		ROAD RIG FROM CIGE 114 TO NBU 438. SPOT IN EQUIPMENT. SIC & TP 250 PSI. PUMP 30 BBLS OF 2% KCL DOWN CASING & 20 BBLS DOWN TUBING. WELL DEAD. POOH W/ TBG & TALLY OUT 278 JTS . MIRU CUTTERS TO SET CBP @ 2,609' & RUN CBL FROM 2,609' TO SURFACE. RIH W/ 4 1/2" CBP & SET @ 2,609'. POOH W/ WIRE LINE. FILL CASING W/ 40 BBLS OF 2% KCL WATER. PU CBL TOOLS RIH FOUND FLUID HAD TO MUCH AIR INTRAPED TO RUN CBL. RIH TAG CBP @ 2,609'. POOH W/ CBL TOOLS. PUMP 2% KCL WATER TO CHECK FOR LEAK. PRESSURED UP TO 1,000 PSI HOLDING. SWIN. WILL RUN CBL IN AM. TOTAL FLUID PUMPED FOR TODAY 110 BBLS
3/25/2009	6:30 - 7:00	0.50	COMP	48		P		HSM. WIRE LINE WORK
	7:00 - 9:00	2.00	COMP	41	A	P		MIRU CUTTERS PU CBL TOOLS RIH TO 2,609' PRESSURE UP CASING TO 1,000 PSI & HOLD PRESSURE. LOG CASING FROM 2,609' TO SURFACE W/ PRESSURE.
	9:00 - 12:00	3.00	COMP	46	A	P		DOWN LOAD LOG TO PDF FILE & SEND TO ENGINEERING. FOR ORDERS
	12:00 - 18:00	6.00	COMP	37	B	P		PU 1 9/16" GNS, 3.2 GRM .5 HOLES, 0 DEG PHASING. CASING PUNCH. RIH PERF 2,090' & 1,956'. POOH W/ WIRE LINE. PU 4 1/2" PACKER & RIH W/ 63 TJS OF 2 3/8" J-55 TBG. SET PACKER @ 1,989'. PUMP DOWN TBG @ 1/4 BPM @ 1,800 PSI THRU PERFS @ 2,090, VERY LITTLE RETURNS. PUMED DOWN ANNULUS COULD NOT BRK DOWM PERFS @ 1,956'. RELEASED PACKER & PULLED 3 JTS EOT 1,894'. WAIT ON DUMP BAILER FROM TOWN. PU DUMP BAILER RIH TO 1,955' DUMPED ACID. POOH W/ WIRE LINE. RIH W/ 3 JTS OF TBG SET PACKER @ 1,989'. PUMP DOWN TGB CASING ANNULUS PRESSURED UP TO 4,000 PSI COULD NOT GET A BRK. BLEED OFF PRESSURE SWIFN.
3/26/2009	6:30 - 7:00	0.50	COMP	48		P		HSM. CEMENTING & PERFORATING & RUNNING TOOLS

US ROCKIES REGION

Operation Summary Report

Well: NBU 438		Spud Date: 3/21/2005	
Project: UTAH-UINTAH	Site: NBU 438		Rig Name No: SWABBCO 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 3/24/2009		End Date: 4/21/2009
Active Datum: RKB @4,969.99ft (above Mean Sea Level)	UWI: NBU 438		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 17:00	10.00	COMP	40	A			PUMP DOWN CASING PRESSURE UP TO 4,000 PSI COULD NOT GET A BRK DOWN. RELEASE PACKER POOH W/ 3 JTS EOT TBG @ 1,895'. PU 1 9/16' GNS, 3.2 GRM, .5 HOLES O DEG PHASING. .5" PENETRATION. RIH PERF 1,956 AGAIN. 4 HOLES. WIRE LINE DEPTH DIFFERED FROM TBG TALLY BY 47'. POOH W/ WIRE LINE. RIH W/ 4 JTS SET PACKER @ 2,019' TBG = 1,972' WIRE LINE DEPTH. PUMP DOWN TBG HAD RETURNS PUMPING 1 BPM @ 800 PSI. RELEASE PACKER POOH W/ 32 STANDS. PU 4 1/2" CICR RIH SET @ 2,019'. MIRU BIG 4 CEMENTERS. HOLD SAFETY & SERVICE MEETING. PUMP 10 BLLS FRESH WATER @ .8 BPM @ 900 PSI. START CMT PMP 65 SKS OF CLASS G 2% CACL2 WT 15.8 PPG, YIELD 1.15 CU FT/SK WATER 4.97 GAL/SK. 13 BBLS OF SLURRY. DISPLACE W/ 8 BBLS FRESH WATER. PUMPED 1.25 BPM @ 1,800 PSI. UN STING OUT OF RETAINER & REVERSE CIRC. PUMPED 6 BBLS OF CMT TO SURFACE. POOH W/ TBG. PU 1 9/16" GNS RIH PERF 1,516' 4 SPF, 1,445' 4 SPF. CASING PUNCH. RIH W/ PACKER W/ 24 STANDS SET PACKER @ 1,517' TBG 1,471 WIRE LINE DEPTH. BRK CIRC 1 BPM @ 1,000 PSI. POOH W/ PACKER. PU CICR RIH W/ 24 STANDS. CEMT RET @ 1,5 16' TBG TALLY 1,471 WIRE LINE. PUMP 10 BBLS FRESH WATER AHEAD. PUMP 30 SKS CLASS G 2% CACL2 WT 15.8 PPG YIELD 1.15 CU FT/SK WATER 4.97 GAL/SK. 6 BBLS SLURRY. PUMPED @ 1.25 BPM @ 1,250 PSI. DISPLACED W/ 5.7 BBLS. UN STING FROM RETAINER. REVERSE CIR HAD 3 BBLS CEMENT TO SURFACE. POOH W/ TUBING. SWI SDFN
3/27/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. COLD WEATHER WATCH FOR FROZEN PUMPS & LINES.

US ROCKIES REGION

Operation Summary Report

Well: NBU 438		Spud Date: 3/21/2005	
Project: UTAH-UINTAH	Site: NBU 438		Rig Name No: SWABBCO 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 3/24/2009		End Date: 4/21/2009
Active Datum: RKB @4,969.99ft (above Mean Sea Level)	UWI: NBU 438		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 15:00	7.50	COMP	40	A			PU 1 9/16" GNS 3.2 GRM, .5 HOLES, 0 DEG PHASING. RIH PERF 1,340' 4 SPF, 4 HOLES. PUMP DOWN 4 1/2" CASING & OUT OUT 9 5/8" CASING @ 1/2 BPM @ 1,300 PSI. GETTING MUD FOR RETURNS PUMP 50 BBLS OF WATER TO CLEAN OUT ANNULUS. PU 4 1/2" PACKER RIH W/ 17 STANDS SET PACKER @ 1,078'. RU BIG 4 CEMENTERS PUMP INTO PERFS @ 3/4 BPM @ 1,800 PSI. DECIDED TO USE CICR. POOH W/ TBG. PU CICR RIH SET @ 1,297' PMP DON TBG USING BIG 4. PUMP 95 SKS OF CLASS G CEMENT, WT 15.8 PPG, YIELD 1.15 CU FT/SK, WATER 4.97 GAL/SK = 19.5 BBLS. PUMPED CEMENT @ 1/2 BPM @ 1,900 PSI. HAD CEMENT TO SURFACE AFTER PUMPING 75 SKS. 4 BBLS CEMENT TO SURFACE. DISPLACED W/ 4 BBLS PRESSURE WAS UP TO 2,100 PSI @ 1/3 BPM. UN STING FROM CICR LD 1 JT & REVERSE CIRC TBG CLEAN. RDMO BIG 4. POOH W/ TUBING. SWIFWE. WILL DRL CEENT ON MONDAY
3/30/2009	7:00 - 18:00	11.00	WO/REP	30		P		HSM TIH 3 7/8 BIT, 10 3 1/8 DRILL COLLARS & 31 JNTS TAG CEMENT @ 1262' P/U SWIVEL WITH JNT 31 DRILL CEMENT TO CICR @ 1297' DRILL ON CICR DRILL UP IN 6HRS DRILL ON CEMENT VERY HARD DRILL TO 1327' DRAIN UP SWI SDFN
3/31/2009	7:00 - 18:00	11.00	WO/REP	30		P		HSM DRILL CEMENT TO 1370' = 30' PAST PERFS @ 1340' TEST CSG TO 1000 PSI = GOOD TEST HUNG SWIVEL TOH CHANGE BIT TIH TAG CEMENT @ 1450' DRILL CEMENT TO CICR @ 1516' DRILL ON CICR 4 HRS SWI SDFN
4/1/2009	7:00 - 18:00	11.00	WO/REP	30		P		HSM FINISH CICR DRILL CEMENT TO 1548' = 30' PAST PERFS TEST CSG TO 1000 PSI = GOOD TEST HUNG SWIVEL TOH CHANGE BIT TIH TAG CEMENT @ 1980' P/U SWIVEL WITH JNT 54 DRILL CEMENT TO CICR @ 2019' DRILL UP CICR IN 4 1/2 HRS DRILL CEMENT TO 2072' SWI SDFN
4/2/2009	7:00 - 17:30	10.50	WO/REP	30		P		HSM DRILL CEMENT TO 2130' = 40' PAST PERFS SWIVEL IN TO 2230 TEST CSG TO 1000 PSI = GOOD TEST HUNG SWIVEL TOH TBG LD 6 COLLARS WELL STARTED PUSHING FLUID @ SURFACE LD LAST 4 COLLARS SWI OPEN TO TANK WELL UNLOADED ALL FLUID FROM CSG BRINGING UP LARGE PIECES OF CICR = CBP LEAKING SWI R/U CUTTERS WAIT ON CBP KILL WELL RIH SET 5K CBP @ 2642' POOH TIH 41 STANDS TO 2580' ROLL HOLE WITH FRESH WATER TEST CSG & PLUG TO 1000 PSI = GOOD TEST TOH R/U CUTTERS RIH RUN CBL FROM 2600' TO SURFACE SWI SDFN

US ROCKIES REGION

Operation Summary Report

Well: NBU 438			Spud Date: 3/21/2005
Project: UTAH-UINTAH	Site: NBU 438		Rig Name No: SWABBCO 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 3/24/2009		End Date: 4/21/2009
Active Datum: RKB @4,969.99ft (above Mean Sea Level)	UWI: NBU 438		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/3/2009	7:00 - 18:00	11.00	WO/REP	30		P		HSM R/U CUTTERS PERF 4SPF @ 1940' & 1670' TIH 4 1/2 RBP & PKR SET RBP @ 2090' & PKR @ 2020' TEST TOOLS TO 2000PSI = GOOD TEST SET PKR @ 1894 ATTEMPT TO BREAK DOWN PERFS @ 1940' UNABLE TO BREAK DOWN BEST INJ RATE OF 1/4 BPM @ 3700 PSI CSG STARTED TO FLOW A LITTLE WHILE PUMPING = COMMUNICATION BETWEEN PERFS RELEASE & RESET PKR @ 1455' BREAK DOWN UPPER PERFS @ 1670 WITH 2700 PSI EST INJ OF 1/2 BPM @ 700 PSI TOH TBG & PKR RIH DUMP BAIL 5 GAL 15% ACID @ 1840' = 100' ABOVE PERFS POOH TIH SET PKR @ 1831' WITH 58 JNTS PUMP ACID TO PERFS BROKE DOWN TO 1200 PSI STARTED TO COMMUNICATE WITH UPPER PERFS SHUT PIPE RAMS STOP PUMPING LET ACID SET IN PERFS FOR 5 MIN PRESSURE DROPPED TO 800 PSI STARTED PUMPING 1/2 BPM @ 1200 PSI P/3 BBLS & LOCKED BACK UP TO 1/4 BPM @ 3500 PSI WORK PRESSURE FROM 0-3500 PSI SEVERAL TIMES UNABLE TO GET PERFS TO BREAK DOWN DECIDED TO RUN RATS TEST ON UPPER PERFS ATTEMPT TO RELEASE PKR UNABLE TO GET ANY MOVEMENT TO PKR ATTEMPT TO BACK OUT OF SAFETY WITH RIGHT HAND TURNS WITH TONGS PUT A TOTAL OF 8 ROUNDS INTO PIPE WITH NO LUCK SAFETY THREADS FLAT THREADED & 8 ROUNDS = TIGHTENING TBG NOT GETTING TO PKR WAIT ON FREE POINT TOOLS POSSIBLY PUMPED SOMETHING IN ON TOP OF US THRU TOP PERFS R/U CUTTERS RIH FREE POINT PIPE TBG 100% FREE 5' ABOVE PKR POOH RIH MAKE CHEMICAL CUT @ 1816' = 15' OF TBG ABOVE PKR POOH TOH TBG SWI SDFWE
4/6/2009	7:00 - 10:00	3.00	WO/REP	30		X		HSM BWD TIH 3 7/8 OVERSHOT, EXT BOWL, BUMPER SUB, 2 3 1/8 COLLARS, X-OVER & 55 JNTS STACK OUT @ 1795' = 21' ABOVE FISH TOP @ 1816' & 36' ABOVE PKR @ 1831' TOH TBG & TOOLS WAIT ON WIRELINE
	10:00 - 14:30	4.50	WO/REP	34	G	X		R/U CUTTER WIRELINE, RIH W/ 3-1/8" GAUGE RING, TAG @ 1795', RIH W/ 1-11/16" GAUGE RING SET DN @ 1805', WORK TOOL W/ SET DN AT 1805', RIH W/ 2-1/8" IMPRESSION BLOCK, SET DN @ 1805', P/O SHOWED CUT TBG OVER TO 0NE SIDE?, RIH W/ 1-3/4" BLOCK, SET DN @ 1805', R/D WIRELINE
	14:30 - 17:00	2.50	WO/REP	31	I	X		P/U 3-5/8 SLEDGE TOOL RIH W/ DC & TBG SET DN @ 1795' TBG TALLY, SET DN SOILD, TOOH, NO MARK ON TOOL, SHUT WELL IN SDFN
4/7/2009	7:00 - 7:15	0.25	WO/REP	48		X		JSA-SAFETY MEETING #11, DAY 11

US ROCKIES REGION

Operation Summary Report

Well: NBU 438			Spud Date: 3/21/2005
Project: UTAH-UINTAH	Site: NBU 438		Rig Name No: SWABBCO 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 3/24/2009		End Date: 4/21/2009
Active Datum: RKB @4,969.99ft (above Mean Sea Level)	UWI: NBU 438		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 16:00	8.75	WO/REP	31	I	X		NO PRESSURE ONWELL, P/U RIH W/ 3-1/2" IMPRESSON BLOCK, TAG AT 1809', TOOH SHOWED CUT OFF TBG ON BOTTOM, SIDE HAS 1/2" WIDE BY 1/4" DEEP MARK DN BLOCK, P/U 3-5/8" SWEDGE TIH TAG @ 1795' FELL ON DN TO 1809', TOOH, P/U 3-3/4" SWEDGE TIH TAG @ 1795', WORK THRU TIGHT SPOT @ 1', RIH TO 1809', TOOH, P/U 3-7/8" SWEDGE TIH TAG @ 1795', SWEDGE OUT CSG FOR 1', TAG TBG AT 1809', TOOH, P/O 3-3/4" OVERSHOT TIH LATCH ONTO FISH, JAR DN ON TOOLS, PACKER RELEASE, TOOH W/ SWAB WELL W/ PACKER, P/O SLOW, LAY DN DC, AND FISHING TOOLS, LAY DNCUT OFF JTS AND ;PACKER,
	16:00 - 17:00	1.00	WO/REP	34	H	P		R/U CUTTER WIRELINE RIH PERF 4-1/2"CSG @ 1935', R/D WIRELINE, SWIFN.
4/8/2009	7:00 - 7:15	0.25	WO/REP	48		P		JSA-SAFETY MEETING #12, DAY 12
	7:15 - 12:00	4.75	WO/REP	34		P		NO PRESSURE ON WELL, R/U WIRELINE RIH DUMP BAIL ACID ACROSS PERF, R/D WIRELINE, P/U 4-1/2" PACKER TIH SET PACKER @ 1768', TRY TO PUMP INTO PERF W/ PRESSURE UP TO 3000# BLEED BACK TO 1000#, R/U WIRELINE RIH DUMP 2-1/2 GALS ACID ACROSS PERF, TRY TO PUMP INTO W/ PRESSURE TO 2800# 1/4 B/M, RIH DUMP BAIL 2-1/2 GALS ACID ACROSS PERF, BREAK DN PERF W/ PRESSURE @ 2800# W/ COME DN TO 1500# @ 1/2 B/M, R/D CUTTER WIRELINE.
	12:00 - 14:30	2.50	WO/REP	41	D	P		R/U PRODUCTION LOGGING SERVICE, RIH W/ RTS LOG, RUN RTS FROM 1500' TO 1935', BOTTOM LUID IS CONFINEMENT TO 1935' ONLY, R/D WIRELINE,
	14:30 - 16:00	1.50	WO/REP	31	I	P		P/U ON TBG RELEASE PACKER TOOH W/ 2-3/8" TBG & PACKER, PU RBP TIH W/ TBG & PACKER, SET RBP @ 1728', P/U SET PACKER @1406',
	16:00 - 18:30	2.50	WO/REP	41	D	P		R/U PRODUCTIONLOGGING SERVICE, RIH W/ RTS LOG TOOL, BROKE DN PERF @ 1632' 1/2B/M @1500#, RUN RTS FROM 1200' TO 1720', TOP IS CONFINEMENT TO 1635' ONLY, R/D WIRELINE, SHUT WELL IN SDFN
4/9/2009	7:00 - 7:15	0.25	WO/REP	48		P		JSA-SAFETY MEETING #13, DAY 13
	7:15 - 8:00	0.75	WO/REP	31	I	P		NO PRESSURE, RELEASE PACKER TIH RETRIVE RBP, TOOH LAY TOOLS DN, P/U 4-1/2" CICR TIH SET CICR @ 1768',
	8:00 - 10:00	2.00	WO/REP	40	A	P		R/U PRO PETRO CEMENTERS, PUMP IN RATE OF 3/4 B/M @ 1500#, MIX AND PUMP 50 SACKS CLASS G NEAT CEMENT, SLOW DN RATE W/ 2 BBL CMT IN TBG, SQUEEZE OFF PERF @ 1200#, STUNG OUT OF RETAINER W/ DROP @ 1/8 BBBL ON TOP,
	10:00 - 15:00	5.00	WO/REP	31	I	P		TOOH W/ STINGER, P/U 4-1/2" PACKER TIH SET PACKER @ 1456', R/U CEMENTER, PUMP IN RATE @ 3/4 B/M @ 1500#, MIX AND PUMP 50 SACKS CEMENT, FLUSH CEMENT PASS PACKER, STAGE CEMENT W/ SQUEEZE OFF @ 1000# W/ 1-1/4 BBL CEMENT STILL IN CSG, SHUT WELL IN, SDFWE,

US ROCKIES REGION

Operation Summary Report

Well: NBU 438			Spud Date: 3/21/2005
Project: UTAH-UINTAH	Site: NBU 438		Rig Name No: SWABBCO 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 3/24/2009		End Date: 4/21/2009
Active Datum: RKB @4,969.99ft (above Mean Sea Level)	UWI: NBU 438		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/13/2009	7:00 - 18:00	11.00	WO/REP	30		P		HSM RELEASE & TOH PKR TIH 3 7/8 BLADDE BIT TAG CEMENT @ 1540' P/U SWIVEL WITH JNT 49 DRILL CEMENT TO 1680' WITH JNT 55 = 10' PAST PERFS TEST CSG TO 1000 PSI = GOOD TEST HUNG SWIVEL TOH CHANGE BIT TO 3 7/8 ROCK BIT TIH TAG CEMENT @ 1720' DRILL CEMENT TO CICR @ 1767' DRILL ON CICR SWI SDFN
4/14/2009	7:00 - 18:00	11.00	WO/REP	30		P		HSM DRILL UP CICR DRILL CEMENT TO 1940' = 5' PAST 2ND SET OF PERFS @ 1935' & RIGHT @ ORIGANAL PERFS @ 1940' TEST CSG TO 1000 PSI 3 TIMES HELD 10 MIN GAINED 30 TO 50 PSI EVERY TIME = PERFS LEAKING OR CBP LEAKING BELOW HUNG SWIVEL LD 15 JNTS BACK ON TRAILER TIH 7 STANDS = 62 JNTS IN WELL TAG FILL ABOVE RBP @ 2005' CLEAN OUT TO RBP @ 2090' WITH JNT 66 RETURNS HAD OLD CEMENT, FORMATION ROCKS, & LOST CIRC MATERIAL (CEDER FIBER & CELAFLAKE) HUNG SWIVEL TOH TIH RETRIEVING TOOL & 66 JNTS P/U SWIVEL CIRC OVER STEM LATCH & RELEASE PLUG TOH LD PLUG TIH PKR & 66 JNTS SET PKR @ 2083' = BELOW ALL PERFS TEST CSG TO 1000 PSI = FAILED TEST LOST 30 PSI IN 15 MIN TEST BELOW PKR TO CBP TO 1000 PSI = PLUG LEAKING LOST 100 PSI IN 10 MIN RELEASE PKR PULL 4 JNTS SET PKR @1957' TEST CSG TO 1000 PSI = FAILED BLED CSG TO 0 PSI PRESSURE BLOW PKR TO 1000 PSI GAINED 240 PSI IN CSG ABOVE PKR= PERFS @ 1981 & 1940 OPEN & COMMUNICATING RELEASE PKR SET @ 1894' TEST CSG TO 1000 PSI = GOOD TEST
4/15/2009	7:00 - 17:00	10.00	WO/REP	30		P		HSM TOH PKR R/U WIRELINE RIH SET 5K CBP @ 2100' LOG UP HOLE SHOWS PERFS @ 1973' & 1940' POOH TIH PKR & 64 JNTS SET PKR @ 2020' TEST PLUG TO 1500 PSI = GOOD TEST RESET PKR @ 1957' WITH 62 JNTS TRY TO EST COMMUNICATION PERFS @ 1973' HELD 1800 PSI 20 MIN RESET PKR @ 1894' WITH 60 NTS PERFS @ 1940' OPEN BUT VERY TIGHT PRESSURE UP TO 2000 PSI LOST 900 PSI IN 15 MIN RELEASE PKR TOH R/U WIRELINE DUMP BAIL 6 GAL ACID @ 1920' = 20' ABOVE PERFS POOH TIH SET PKR @ 1894' TRY TO BREAK DOWN PERFS WITH NO LUCK TOH RIH DUMP 6 GAL ACID ACROSS PERFS TIH SET PKR 1894' STILL UNABLE TO BREAK DOWN PERFS TOH PKR TIH OPEN ENDED TO 2015' CIRC ACID OUT OF HOLE P/15 SKS = 3 BBLS 2% CEMENT BALANCE FROM 2015' TO 1822' = 118' OVER PERFS @ 1940' TOH 4 STANDS TO 1763' TRY TO REV CIRC HOLE TBG PLUGGED TOH HAD 14 JNTS FULL OF CEMENT = 1.7 BBLS OF CEMENT PRESSURE CSG UP TO 400 PSI SWI SDFN
4/16/2009	7:00 - 13:00	6.00	WO/REP	30		P		HSM TIH TAG CEMENT @ 1956' = 16' BELOW PERFS @ 1940' DRILL CEMENT TO 2015' CEMENT GREEN TOH TIH 64 JNTS TO 2015' P/15 SKS G-NEAT = 3BBLS FLUSH WITH 6 BBLS CEMENT TOP @ 1822' TOH 4 STANDS TO 1768' REVERSE CIRC HOLE CLEAN TOH TIH PKR & 58 JNTS SET @ 1768' WORK CEMENT SQUEEZE OUT @ 1250 PSI WITH 1/2 BBL INTO PERFS SWI WITH 1000 PSI SDFWE

US ROCKIES REGION

Operation Summary Report

Well: NBU 438			Spud Date: 3/21/2005
Project: UTAH-UINTAH	Site: NBU 438		Rig Name No: SWABBCO 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 3/24/2009		End Date: 4/21/2009
Active Datum: RKB @4,969.99ft (above Mean Sea Level)	UWI: NBU 438		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/20/2009	7:00 - 17:30	10.50	WO/REP	30		P		HSM RELEASE & TOH PKR TIH 3 7/8 BLADE BIT TAG CEMENT @ 1812' WITH JNT 58 P/U SWIVEL DRILL CEMENT TO 2020' TEST CSG TO 1000 PSI HELD 20 MIN = GOOD TEST TOH CHANGE BIT TIH TAG CBP @ 2100' WITH JNTS 67 P/U SWIVEL DRILL UP CBP IN 1 1/2 HRS HUNG SWIVEL TIH TAG CBP @ 2642' WITH JNT 84 P/U SWIVEL DRILL UP CBP IN 30 MIN HAD 900 PSI BELOW UNLOADED ALL FLUID TO TANK FLOW WELL TO TANK FOR 2 HRS KILL TBG SWIVEL IN TO 2700' PLUG @ 2655' WAS GONE HUNG SWIVEL LD 4 JNTS TIH TO 7608' WITH 242 JNTS = 106' ABOVE TOP PERF SWI SDFN
4/21/2009	7:00 - 16:30	9.50	WO/REP	30		P		HSM TIH TAG @ 9348' = 58' OF RAT HOLE LD 35 JNTS WORK STRING TOH TIH NOTCHED X-NIPPLE & 278 JNTS LTBG @ 8746' R/U SWAB BROACH TBG R/D SWAB NDBOP NUWH SWI FOR 24 HR SHUT IN FOR TEMP LOG R/O PUMP & TANKS RDMO 15 BBLS LEFT TO RECOVER